ภาคผนวก ค-4

คุณลักษณะน้ำเสียโรงงาน

Analysis / Test Report

TESTING
No.0042

Lot ID: 24140547
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193107-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140547-1
Sampled Date Jan 09, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_009_2564 **Plot** Z.55B **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140545
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192899-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140545-1
Sampled Date Jan 09, 2025 10:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2564 **Plot** Z-55G **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140546
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192902-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140546-1
Sampled Date Jan 09, 2025 10:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2564 **Plot** Z-55H **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	187	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140554
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193114-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140554-1
Sampled Date Jan 09, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	148	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140555
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193115-1

Sample Number 24140555-1
Sampled Date Jan 09, 2025 2:05 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	150	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

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ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140556
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193116-1

Sample Number 24140556-1
Sampled Date Jan 09, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	95.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140524
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192793-1

Sample Number 24140524-1
Sampled Date Jan 09, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_CIE_008_2558 **Plot** Z-55E **Site** Analog City
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	82.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140487
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192683-1

Sample Number 24140487-1
Sampled Date Jan 09, 2025 11:15 AM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Arastac (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140505
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192710-1

Sample Number 24140505-1
Sampled Date Jan 09, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	191	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140564
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193133-1

Sample Number 24140564-1
Sampled Date Jan 09, 2025 11:05 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	38.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140544
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192898-1

Sample Number 24140544-1
Sampled Date Jan 09, 2025 3:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	104	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140511
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192734-1

Sample Number 24140511-1
Sampled Date Jan 09, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

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No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140590
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192821-1

Sample Number 24140590-1
Sampled Date Jan 10, 2025 9:32 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
COD	mg/L	1.5	25	140	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	211	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	209	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ส-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140590
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192821-1

Sample Number 24140590-1
Sampled Date Jan 10, 2025 9:32 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	49.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 4500-Norg (C). part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	27	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031
ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140590
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192821-2

Sample Number 24140590-1
Sampled Date Jan 10, 2025 9:32 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Odour	-	-	-	Odour	No Standard	TIS. 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

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

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Scientist (3)

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Analysis / Test Report

TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140589
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192828-1

Sample Number 24140589-1
Sampled Date Jan 10, 2025 9:38 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	41	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	7	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	25.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ส-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140589
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192828-1

Sample Number	24140589-1
Sampled Date	Jan 10, 2025 9:38 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1290	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak หะเบียนเลขที่ ว-323-ล-0021

Remark :
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Technical Management [redacted]

Scientist (3)
หะเบียนเลขที่ ว-323-ล-0031

Senior Manager
หะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140589
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192828-2

Sample Number	24140589-1
Sampled Date	Jan 10, 2025 9:38 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak

Remark :
- LOD : Limit of Detection
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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140586
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192810-1

Sample Number	24140586-1
Sampled Date	Jan 09, 2025 11:25 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	<250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui หะเบียนเลขที่ ว-323-ล-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ล-0028

Senior Manager
หะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140568
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193141-1

Sample Number	24140568-1
Sampled Date	Jan 09, 2025 3:25 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2567 **Plot** K.9,K.10,K.11,K.12 **Site** BNSS STEEL GROUP COMPANY LIMITED
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	69.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui หะเบียนเลขที่ ว-323-ล-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ล-0028

Senior Manager
หะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140562
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192830-1

Sample Number 24140562-1
Sampled Date Jan 10, 2025 10:22 AM
Sample Description Wastewater
Contract ID L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	44.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ฉ-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140491
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192690-1

Sample Number 24140491-1
Sampled Date Jan 10, 2025 10:13 AM
Sample Description Wastewater
Contract ID L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ฉ-0031

ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140533
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192881-1

Sample Number 24140533-1
Sampled Date Jan 09, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ฉ-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140521
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192788-1

Sample Number 24140521-1
Sampled Date Jan 09, 2025 11:15 AM
Sample Description Wastewater
Contract ID L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ฉ-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140497
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192699-1

Sample Number	24140497-1
Sampled Date	Jan 10, 2025 2:15 PM
Sample Description	Wastewater
Contract ID	L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	54.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakullottimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140529
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192799-1

Sample Number	24140529-1
Sampled Date	Jan 09, 2025 11:35 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	50.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140531
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192802-1

Sample Number	24140531-1
Sampled Date	Jan 09, 2025 1:50 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_006_2562 **Plot** Z.52 **Site** DTS Draexlmaier Automotive Systems (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	276	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140481
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192672-1

Sample Number	24140481-1
Sampled Date	Jan 09, 2025 9:55 AM
Sample Description	Wastewater
Contract ID	L_CIE_005_2550 **Plot** A-1 **Site** Dusholux (Siam) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140522
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192790-1

Sample Number 24140522-1
Sampled Date Jan 09, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_CIE_007_2550 **Plot** Z-49 **Site** EBRO Valves (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	217	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140542
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192895-1

Sample Number 24140542-1
Sampled Date Jan 09, 2025 11:40 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140482
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192673-1

Sample Number 24140482-1
Sampled Date Jan 09, 2025 10:00 AM
Sample Description Wastewater
Contract ID L_CIE_001_2557 **Plot** A-2 **Site** Feltol Manufacturing Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	127	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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- "<" : 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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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140561
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193128-1

Sample Number 24140561-1
Sampled Date Jan 09, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2566 **Plot** Z-59E **Site** FES & RAYSOAR ELECTRONICS Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140528
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192797-1

Sample Number 24140528-1
Sampled Date Jan 09, 2025 2:20 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2562 **Plot** Z.59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	80.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140552
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193112-1

Sample Number 24140552-1
Sampled Date Jan 09, 2025 2:25 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	51.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140550
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193110-1

Sample Number 24140550-1
Sampled Date Jan 09, 2025 11:40 AM
Sample Description Wastewater
Contract ID L_CIE_010_2558 **Plot** Z-66 **Site** Finixx Global Industry Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140506
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192727-1

Sample Number 24140506-1
Sampled Date Jan 10, 2025 10:29 AM
Sample Description Wastewater
Contract ID L_CIE_011_2558 **Plot** B-6 **Site** FRASERS PROPERTY (THAILAND) PUBLIC COMPANY LIMITED
Location บริษัท ควอซาร์ เมดิคอล ไทยแลนด์
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	106	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140567

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3193138-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140567-1
Sampled Date Jan 10, 2025 2:14 PM
Sample Description Wastewater
Contract ID L_CIE_013_2558 **Plot** D-7 **Site** FRASERS PROPERTY (THAILAND) PUBLIC COMPANY LIMITED
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140540

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192892-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140540-1
Sampled Date Jan 10, 2025 2:18 PM
Sample Description Wastewater
Contract ID L_CIE_014_2558 **Plot** D-8 **Site** FRASERS PROPERTY (THAILAND) PUBLIC COMPANY LIMITED
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140559

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3193123-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140559-1
Sampled Date Jan 10, 2025 2:45 PM
Sample Description Wastewater
Contract ID L_CIE_011_2557 **Plot** D-1 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140499

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192702-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140499-1
Sampled Date Jan 10, 2025 2:38 PM
Sample Description Wastewater
Contract ID L_CIE_010_2557 **Plot** D-2 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	77.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140502

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192706-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140502-1
Sampled Date	Jan 10, 2025 2:29 PM
Sample Description	Wastewater
Contract ID	L_CIE_004_2558 **Plot** D-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	105	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140515

Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192740-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140515-1
Sampled Date	Jan 09, 2025 1:45 PM
Sample Description	Wastewater
Contract ID	L_CIE_007_2556 **Plot** Z-13 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140537

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192889-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140537-1
Sampled Date	Jan 10, 2025 10:36 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Scientist (3) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140498

Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192701-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140498-1
Sampled Date	Jan 09, 2025 3:10 PM
Sample Description	Wastewater
Contract ID	L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location	Office
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140541
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192894-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140541-1
Sampled Date Jan 09, 2025 11:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2564 **Plot** B-8 **Site** HI-Plus Import-Export Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140591
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192818-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140591-1
Sampled Date Jan 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1410	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 24140591
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192818-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140591-1
Sampled Date Jan 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 13, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.09	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

Remark :
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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ส-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ส-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

TESTING
No.0042

Lot ID: 24140539
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192891-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140539-1
Sampled Date Jan 09, 2025 3:07 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	78.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

TESTING
No.0042

Lot ID: 24140485
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192680-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140485-1
Sampled Date Jan 09, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_012_2550 **Plot** A-7 **Site** In-Season Foods Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	65.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

TESTING
No.0042

Lot ID: 24140587
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192808-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140587-1
Sampled Date Jan 09, 2025 3:20 PM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Inseo Ecocycle Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	41	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140579
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192781-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140579-1
Sampled Date Jan 09, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	<1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140523
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192791-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140523-1
Sampled Date Jan 09, 2025 1:55 PM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	34.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140488
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192687-1

Sample Number	24140488-1
Sampled Date	Jan 09, 2025 11:10 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	91.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140592
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192814-1

Sample Number	24140592-1
Sampled Date	Jan 10, 2025 10:56 AM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	420	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

ทะเบียนเลขที่ ว-323-จ-0031   ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140592
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192814-2

Sample Number	24140592-1
Sampled Date	Jan 10, 2025 10:56 AM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Jan 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.42	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management [redacted]

Manager   Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0007   ทะเบียนเลขที่ ว-204-ต-0004

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140595
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192816-1

Sample Number	24140595-1
Sampled Date	Jan 10, 2025 11:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 2
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	284	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031   ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0009

Lot ID: 24140595
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192816-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140595-1
Sampled Date	Jan 10, 2025 11:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 2
Date Analysis Commenced	Jan 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.60	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	<0.0005	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management [redacted]

ทะเบียนเลขที่ ว-204-จ-0007 ทะเบียนเลขที่ ว-204-ต-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140507
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192728-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140507-1
Sampled Date	Jan 09, 2025 11:45 AM
Sample Description	Wastewater
Contract ID	L_CIE_013_2557 **Plot** B-6B **Site** Kyowa SS (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140486
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192681-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140486-1
Sampled Date	Jan 10, 2025 3:30 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2554 **Plot** A-5/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	209	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
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Technical Management [redacted]

Scientist (3) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ต-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140492
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192691-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140492-1
Sampled Date	Jan 09, 2025 11:35 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2551 **Plot** B-7 **Site** Lungka Products Asia Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	55.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.
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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140572
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193156-1

Sample Number 24140572-1
Sampled Date Jan 09, 2025 10:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2567 **Plot** B.12C **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	98.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140527
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192796-1

Sample Number 24140527-1
Sampled Date Jan 09, 2025 10:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2562 **Plot** B.12D **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	62.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140560
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193125-1

Sample Number 24140560-1
Sampled Date Jan 09, 2025 1:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	62.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140500
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192704-1

Sample Number 24140500-1
Sampled Date Jan 10, 2025 3:08 PM
Sample Description Wastewater
Contract ID L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittmasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ส-0031
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Lot ID: 24140563
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193132-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140563-1
Sampled Date Jan 09, 2025 3:38 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	45.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui หะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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TESTING
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Lot ID: 24140571
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193153-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140571-1
Sampled Date Jan 09, 2025 10:35 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui หะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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TESTING
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Lot ID: 24140504
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192708-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140504-1
Sampled Date Jan 09, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui หะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Lot ID: 24140551
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193111-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140551-1
Sampled Date Jan 09, 2025 11:12 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	94.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuyoksui หะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140584
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192677-1

Sample Number	24140584-1
Sampled Date	Jan 09, 2025 10:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_016_2550 **Plot** A-4 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
COD	mg/L	1.5	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140484
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192678-1

Sample Number	24140484-1
Sampled Date	Jan 09, 2025 10:15 AM
Sample Description	Wastewater
Contract ID	L_CIE_027_2550 **Plot** A-5 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	71.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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RIGHT SOLUTIONS RIGHT PARTNER

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140532
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192876-1

Sample Number	24140532-1
Sampled Date	Jan 09, 2025 10:10 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2553 **Plot** A-6 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	211	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140509
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192731-1

Sample Number	24140509-1
Sampled Date	Jan 09, 2025 9:50 AM
Sample Description	Wastewater
Contract ID	L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Alumnium Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140569
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193142-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140569-1
Sampled Date Jan 09, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140496
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192698-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140496-1
Sampled Date Jan 09, 2025 2:57 PM
Sample Description Wastewater
Contract ID L_CIE_014_2560 **Plot** D-12/2A **Site** S.O. TANK CLEANING TERMINAL Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	104	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140519
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192785-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140519-1
Sampled Date Jan 09, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140570
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193145-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140570-1
Sampled Date Jan 09, 2025 10:35 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140518
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192783-1

Sample Number	24140518-1
Sampled Date	Jan 09, 2025 10:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	190	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140581
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192803-1

Sample Number	24140581-1
Sampled Date	Jan 10, 2025 10:44 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	151	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	224	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140581
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192803-2

Sample Number	24140581-1
Sampled Date	Jan 10, 2025 10:44 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Jan 13, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.003	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.60	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-จ-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ผ-0004

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140581
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192803-3

Sample Number	24140581-1
Sampled Date	Jan 10, 2025 10:44 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Jan 13, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	1.15	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

Remark :
- LOD : Limit of Detection
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Results apply to the sample(s) as submitted, unle [redacted]

Manager

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140513
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192737-1

Sample Number 24140513-1
Sampled Date Jan 09, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Corporation Limited.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140490
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192689-1

Sample Number 24140490-1
Sampled Date Jan 10, 2025 10:05 AM
Sample Description Wastewater
Contract ID L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	11.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140494
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192696-1

Sample Number 24140494-1
Sampled Date Jan 09, 2025 2:25 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140489
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192688-1

Sample Number 24140489-1
Sampled Date Jan 09, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	59.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140493

Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192694-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140493-1
Sampled Date	Jan 10, 2025 2:33 PM
Sample Description	Wastewater
Contract ID	L_CIE_019_2550 **Plot** D-4 **Site** Taisei Plas (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	69.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakullottimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140501

Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192705-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140501-1
Sampled Date	Jan 09, 2025 3:27 PM
Sample Description	Wastewater
Contract ID	L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	167	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140574

Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192838-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140574-1
Sampled Date	Jan 09, 2025 1:45 PM
Sample Description	Wastewater
Contract ID	L_CIE_013_2560 **Plot** F-13A **Site** Thai daerim Precision Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	126	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	311	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	50	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140495

Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192697-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140495-1
Sampled Date	Jan 09, 2025 2:50 PM
Sample Description	Wastewater
Contract ID	L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140582
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192806-1

Sample Number	24140582-1
Sampled Date	Jan 10, 2025 1:56 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	88	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140582
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3192806-2

Sample Number	24140582-1
Sampled Date	Jan 10, 2025 1:56 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced	Jan 13, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-204-จ-0007

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140512
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192736-1

Sample Number	24140512-1
Sampled Date	Jan 09, 2025 1:55 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2552 **Plot** F-12 **Site** Thai Instant Products Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, a lot of solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	123	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Samoen Khuayoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 24140575
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3193131-1

Sample Number	24140575-1
Sampled Date	Jan 10, 2025 1:38 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_004_2566 **Plot** Z-60,Z61,Z61B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140558
Date Received : Jan 10, 2025
Date Reported : Jan 16, 2025
Report Number : 3193121-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140558-1
Sampled Date	Jan 10, 2025 2:25 PM
Sample Description	Wastewater
Contract ID	L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced	Jan 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	317	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakullottimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140543
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192897-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140543-1
Sampled Date	Jan 09, 2025 3:15 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	37.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140565
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193135-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140565-1
Sampled Date	Jan 09, 2025 10:25 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140573
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193157-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	24140573-1
Sampled Date	Jan 09, 2025 2:30 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_006_2567 **Plot** Z.4, Z.4A, Z.4C **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced	Jan 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140535
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192885-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140535-1
Sampled Date Jan 09, 2025 11:05 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2563 **Plot** Z-55D **Site** Ultimate Springs (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	86.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140510
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3192732-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140510-1
Sampled Date Jan 09, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_023_2550 **Plot** F-9 **Site** Van Leeuwen Pipe and Tube (Thailand) Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	125	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 24140557
Date Received : Jan 09, 2025
Date Reported : Jan 15, 2025
Report Number : 3193119-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 24140557-1
Sampled Date Jan 09, 2025 11:17 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced Jan 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257690
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221939-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257690-1
Sampled Date Feb 10, 2025 3:10 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_009_2564 **Plot** Z-55B **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

Remark :
- LOD : Limit of Detection
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257688
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221937-1

Sample Number 257688-1
Sampled Date Feb 10, 2025 3:20 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2564 **Plot** Z-55G **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amornwich Wongyuchai ทะเบียนเลขที่ ว-323-ส-0040

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257689
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221938-1

Sample Number 257689-1
Sampled Date Feb 10, 2025 3:15 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2564 **Plot** Z-55H **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	155	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amornwich Wongyuchai ทะเบียนเลขที่ ว-323-ส-0040

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

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Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257696
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221946-1

Sample Number 257696-1
Sampled Date Feb 10, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	113	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257697
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221947-1

Sample Number 257697-1
Sampled Date Feb 10, 2025 10:35 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	186	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257698
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221948-1

Sample Number 257698-1
Sampled Date Feb 10, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	68.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
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Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257667
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221346-1

Sample Number 257667-1
Sampled Date Feb 10, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_008_2558 **Plot** Z-55E **Site** Analog City
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	125	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257629
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221149-1

Sample Number 257629-1
Sampled Date Feb 07, 2025 11:25 AM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Anstac (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	79.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257648
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221325-1

Sample Number 257648-1
Sampled Date Feb 07, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	97.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257706
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221957-1

Sample Number	257706-1
Sampled Date	Feb 07, 2025 11:10 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui

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Results apply to the sample(s) as submitted, unle [redacted]
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Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257687
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221936-1

Sample Number	257687-1
Sampled Date	Feb 07, 2025 3:15 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	62.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257654
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221331-1

Sample Number	257654-1
Sampled Date	Feb 03, 2025 2:38 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced	Feb 03, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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.

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ล-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257737
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221364-1

Sample Number	257737-1
Sampled Date	Feb 10, 2025 9:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Office
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	34.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	117	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	209	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	207	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-		28.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	316	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257737
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221364-1

Sample Number	257737-1
Sampled Date	Feb 10, 2025 9:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Office
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	44.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257737
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221364-2

Sample Number	257737-1
Sampled Date	Feb 10, 2025 9:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Office
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour		-	-	Odour	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai

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

[redacted]

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257739
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221366-1

Sample Number	257739-1
Sampled Date	Feb 10, 2025 9:40 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	43	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	5	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	24.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257739
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221366-1

Sample Number	257739-1
Sampled Date	Feb 10, 2025 9:40 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1348	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257739
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221366-2

Sample Number	257739-1
Sampled Date	Feb 10, 2025 9:40 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Gimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.017	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amornwich Wongsachai

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

[redacted]

Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257729
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221357-1

Sample Number	257729-1
Sampled Date	Feb 10, 2025 2:20 PM
Sample Description	Wastewater
Contract ID	L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	42	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ง-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257710
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221964-1

Sample Number	257710-1
Sampled Date	Feb 10, 2025 9:30 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2567 **Plot** K.9,K.10,K.11,K.12 **Site** BNSS STEEL GROUP COMPANY LIMITED
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ง-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257717
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221367-1

Sample Number	257717-1
Sampled Date	Feb 10, 2025 10:00 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ง-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 257633

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221154-1

Sample Number	257633-1
Sampled Date	Feb 10, 2025 9:45 AM
Sample Description	Wastewater
Contract ID	L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	107	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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.

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 257676

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221371-1

Sample Number	257676-1
Sampled Date	Feb 03, 2025 3:10 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced	Feb 03, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 257664

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221343-1

Sample Number	257664-1
Sampled Date	Feb 10, 2025 2:05 PM
Sample Description	Wastewater
Contract ID	L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

Remark :
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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 257639

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221161-1

Sample Number	257639-1
Sampled Date	Feb 10, 2025 11:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257672
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221351-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257672-1
Sampled Date Feb 10, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257674
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221353-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257674-1
Sampled Date Feb 10, 2025 2:45 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2562 **Plot** Z.52 **Site** DTS Draexlmaier Automotive Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257623
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221138-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257623-1
Sampled Date Feb 07, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_005_2550 **Plot** A-1 **Site** Dushokux (Siam) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257665
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221344-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257665-1
Sampled Date Feb 10, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_007_2550 **Plot** Z-49 **Site** EBRO Valves (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	147	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257685
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221934-1

Sample Number 257685-1
Sampled Date Feb 07, 2025 11:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	64.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257624
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221140-1

Sample Number 257624-1
Sampled Date Feb 07, 2025 10:05 AM
Sample Description Wastewater
Contract ID L_CIE_001_2557 **Plot** A-2 **Site** Feltol Manufacturing Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257671
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221350-1

Sample Number 257671-1
Sampled Date Feb 10, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2562 **Plot** Z-59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257694
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221944-1

Sample Number 257694-1
Sampled Date Feb 10, 2025 10:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257692
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221941-1

Sample Number 257692-1
Sampled Date Feb 10, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_CIE_010_2558 **Plot** Z-66 **Site** Finiox Global Industry Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewatir. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257701
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221952-1

Sample Number 257701-1
Sampled Date Feb 07, 2025 2:55 PM
Sample Description Wastewater
Contract ID L_CIE_011_2557 **Plot** D-1 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257641
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221314-1

Sample Number 257641-1
Sampled Date Feb 07, 2025 2:50 PM
Sample Description Wastewater
Contract ID L_CIE_010_2557 **Plot** D-2 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257644
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221319-1

Sample Number 257644-1
Sampled Date Feb 07, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_CIE_004_2558 **Plot** D-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	102	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257709
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221963-1

Sample Number	257709-1
Sampled Date	Feb 07, 2025 2:25 PM
Sample Description	Wastewater
Contract ID	L_CIE_013_2558 **Plot** D-7 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ว-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257683
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221932-1

Sample Number	257683-1
Sampled Date	Feb 07, 2025 2:25 PM
Sample Description	Wastewater
Contract ID	L_CIE_014_2558 **Plot** D-8 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	59.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ว-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257658
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221336-1

Sample Number	257658-1
Sampled Date	Feb 10, 2025 11:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_007_2556 **Plot** Z-13 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ว-0011

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257680
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221929-1

Sample Number	257680-1
Sampled Date	Feb 10, 2025 10:15 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	41.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ว-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257640
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221162-1

Sample Number	257640-1
Sampled Date	Feb 07, 2025 1:50 PM
Sample Description	Wastewater
Contract ID	L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location	Office
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257684
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221933-1

Sample Number	257684-1
Sampled Date	Feb 07, 2025 11:35 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2564 **Plot** B-8 **Site** HI-Plus Import-Export Co.,Ltd.
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	45.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257734
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221362-1

Sample Number	257734-1
Sampled Date	Feb 10, 2025 10:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1372	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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.

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257734
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221362-2

Sample Number	257734-1
Sampled Date	Feb 10, 2025 10:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 11, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.20	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

ทะเบียนเลขที่ ว-204-จ-0007 ทะเบียนเลขที่ ว-204-ค-0004

Analysis / Test Report

TESTING
No.0042

Lot ID: 257682
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221931-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257682-1
Sampled Date Feb 10, 2025 3:20 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	32.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257728
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221356-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257728-1
Sampled Date Feb 07, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Inisee Ecocycle Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	147	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	26	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257719
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221339-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257719-1
Sampled Date Feb 10, 2025 11:30 AM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	126	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	<1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257666
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221345-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257666-1
Sampled Date Feb 10, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257630
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221151-1

Sample Number	257630-1
Sampled Date	Feb 07, 2025 11:15 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028　　ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257730
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221358-1

Sample Number	257730-1
Sampled Date	Feb 10, 2025 1:30 PM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	492	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028　　ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257730
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221358-2

Sample Number	257730-1
Sampled Date	Feb 10, 2025 1:30 PM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Feb 11, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.52	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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.
-

Technical Management [redacted]

Manager　　Assistant General Manager
ทะเบียนเลขที่ ว-204-จ-0007　　ทะเบียนเลขที่ ว-204-ต-0004

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257731
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221361-1

Sample Number	257731-1
Sampled Date	Feb 10, 2025 1:45 PM
Sample Description	Wastewater
Contract ID	L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 2
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	328	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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.
-

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028　　ทะเบียนเลขที่ ว-323-ต-0001

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257731
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221361-2

Sample Number 257731-1
Sampled Date Feb 10, 2025 1:45 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Feb 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.51	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai หะเบียนเลขที่ ว-323-ส-0040 , Samart Khumphlee หะเบียนเลขที่ ว-204-ส-0084

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

Manager
หะเบียนเลขที่ ว-204-ส-0007

หะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257628
Date Received : Feb 13, 2025
Date Reported : Feb 19, 2025
Report Number : 3221148-1

Sample Number 257628-1
Sampled Date Feb 13, 2025 11:18 AM
Sample Description Wastewater
Contract ID L_CIE_001_2554 **Plot** A-5/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced Feb 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	193	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Pitthaya Thongtaeng หะเบียนเลขที่ ว-323-ส-0030

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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028

หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257634
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221155-1

Sample Number 257634-1
Sampled Date Feb 07, 2025 11:45 AM
Sample Description Wastewater
Contract ID L_CIE_001_2551 **Plot** B-7 **Site** Lungka Products Asia Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	204	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui หะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257714
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221969-1

Sample Number 257714-1
Sampled Date Feb 07, 2025 10:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2567 **Plot** B.12C **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	100	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui หะเบียนเลขที่ ว-323-ส-0005

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

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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TESTING No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257670
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221349-1

Sample Number 257670-1
Sampled Date Feb 07, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2562 **Plot** B.12D **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	53.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksai ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257702
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221953-1

Sample Number 257702-1
Sampled Date Feb 03, 2025 2:17 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Pikkachai Tuntrong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257669
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221348-1

Sample Number 257669-1
Sampled Date Feb 10, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_001_2560 **Plot** Z.57 **Site** Muntons Ingredients (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257642
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221316-1

Sample Number 257642-1
Sampled Date Feb 07, 2025 3:05 PM
Sample Description Wastewater
Contract ID L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksai ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257705
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221956-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257705-1
Sampled Date Feb 10, 2025 3:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suraweit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257713
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221968-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257713-1
Sampled Date Feb 07, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257647
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221323-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257647-1
Sampled Date Feb 07, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	51.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
- LOD : Limit of Detection
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257693
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221943-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257693-1
Sampled Date Feb 07, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	85.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257727
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221142-1

Sample Number 257727-1
Sampled Date Feb 07, 2025 10:20 AM
Sample Description Wastewater
Contract ID L_CIE_016_2550 **Plot** A-4 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
COD	mg/L	1.5	25	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257626
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221143-1

Sample Number 257626-1
Sampled Date Feb 07, 2025 10:15 AM
Sample Description Wastewater
Contract ID L_CIE_027_2550 **Plot** A-5 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	94.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257675
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221370-1

Sample Number 257675-1
Sampled Date Feb 07, 2025 10:10 AM
Sample Description Wastewater
Contract ID L_CIE_002_2553 **Plot** A-6 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	123	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257652
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221329-1

Sample Number 257652-1
Sampled Date Feb 07, 2025 9:50 AM
Sample Description Wastewater
Contract ID L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Alumnium Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257645
Date Received : Feb 13, 2025
Date Reported : Feb 19, 2025
Report Number : 3221320-1

Sample Number 257645-1
Sampled Date Feb 13, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_005_2558 **Plot** A-5/2 **Site** Nual Chavee Engineering Co.,Ltd.
Date Analysis Commenced Feb 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Pitthaya Thongtaeng ทะเบียนเลขที่ ว-323-ส-0030

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257711
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221965-1

Sample Number 257711-1
Sampled Date Feb 07, 2025 10:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257638
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221160-1

Sample Number 257638-1
Sampled Date Feb 07, 2025 1:35 PM
Sample Description Wastewater
Contract ID L_CIE_014_2560 **Plot** D-12/2A **Site** S.O. TANK CLEANING TERMINAL Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257662
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221341-1

Sample Number 257662-1
Sampled Date Feb 10, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257712
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221967-1

Sample Number 257712-1
Sampled Date Feb 10, 2025 1:55 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257661
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221340-1

Sample Number 257661-1
Sampled Date Feb 10, 2025 1:40 PM
Sample Description Wastewater
Contract ID L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	131	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257721
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221354-1

Sample Number 257721-1
Sampled Date Feb 10, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	128	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	450	<750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	388	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-ส-0084

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257721
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221354-2

Sample Number 257721-1
Sampled Date Feb 10, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Feb 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.01	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	1.34	<5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-ส-0084

Remark :
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Technical Management [redacted]

Manager ทะเบียนเลขที่ ว-204-ส-0007 | ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230

P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257721
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221354-3

Sample Number	257721-1
Sampled Date	Feb 10, 2025 11:00 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Feb 11, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	3.02	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai , Samart Khumphlee

Remark :
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Manager

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230

P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257657
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221335-1

Sample Number	257657-1
Sampled Date	Feb 03, 2025 2:12 PM
Sample Description	Wastewater
Contract ID	L_CIE_018_2557 **Plot** F-15 **Site** SET (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 03, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	68.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230

P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257656
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221334-1

Sample Number	257656-1
Sampled Date	Feb 03, 2025 2:45 PM
Sample Description	Wastewater
Contract ID	L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Corporation Limited.
Date Analysis Commenced	Feb 03, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230

P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257632
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221153-1

Sample Number	257632-1
Sampled Date	Feb 10, 2025 9:40 AM
Sample Description	Wastewater
Contract ID	L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced	Feb 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257636
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221157-1

Sample Number 257636-1
Sampled Date Feb 03, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257631
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221152-1

Sample Number 257631-1
Sampled Date Feb 07, 2025 11:05 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257635
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221156-1

Sample Number 257635-1
Sampled Date Feb 07, 2025 2:45 PM
Sample Description Wastewater
Contract ID L_CIE_019_2550 **Plot** D-4 **Site** Taiwi Plas (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	71.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257643
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221318-1

Sample Number 257643-1
Sampled Date Feb 07, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	101	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257720
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221368-1

Sample Number 257720-1
Sampled Date Feb 03, 2025 2:25 PM
Sample Description Wastewater
Contract ID L_CIE_013_2560 **Plot** F-13A **Site** Thai daenm Precision Co.,Ltd.
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	139	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	343	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	336	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	76	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257637
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221158-1

Sample Number 257637-1
Sampled Date Feb 03, 2025 3:15 PM
Sample Description Wastewater
Contract ID L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	28.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257722
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221355-1

Sample Number 257722-1
Sampled Date Feb 10, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	112	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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TESTING
No.0009

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 257722
Date Received : Feb 10, 2025
Date Reported : Feb 18, 2025
Report Number : 3221355-2

Sample Number 257722-1
Sampled Date Feb 10, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Feb 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.008	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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-

Technical Management [redacted]

ทะเบียนเลขที่ ว-204-จ-0007 ทะเบียนเลขที่ ว-204-ต-0004

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257655
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221332-1

Sample Number 257655-1
Sampled Date Feb 03, 2025 2:35 PM
Sample Description Wastewater
Contract ID L_CIE_001_2552 **Plot** F-12 **Site** Thai Instant Products Co.,Ltd.
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	466	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257704
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221955-1

Sample Number 257704-1
Sampled Date Feb 10, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2566 **Plot** Z-60,261,261B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257700
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221950-1

Sample Number 257700-1
Sampled Date Feb 10, 2025 11:30 AM
Sample Description Wastewater
Contract ID L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	124	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-ส-0040

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257686
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221935-1

Sample Number 257686-1
Sampled Date Feb 10, 2025 3:30 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257707
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221958-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257707-1
Sampled Date Feb 10, 2025 1:45 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	32.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257715
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221970-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257715-1
Sampled Date Feb 10, 2025 10:20 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2567 **Plot** Z.4, Z.4A, Z.4C **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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.

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257673
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221352-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257673-1
Sampled Date Feb 10, 2025 3:05 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2562 **Plot** Z.63/1 **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	96.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 257695
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221945-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 257695-1
Sampled Date Feb 10, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2565 **Plot** Z-64 **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	55.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257681
Date Received : Feb 07, 2025
Date Reported : Feb 14, 2025
Report Number : 3221930-1

Sample Number 257681-1
Sampled Date Feb 07, 2025 11:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_012_2563 **Plot** B-9 **Site** Toyoda Seiko (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	258	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257678
Date Received : Feb 10, 2025
Date Reported : Feb 15, 2025
Report Number : 3221373-1

Sample Number 257678-1
Sampled Date Feb 10, 2025 3:30 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2563 **Plot** Z-55D **Site** Ultimate Springs (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	86.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Amornwich Wongsuchua ทะเบียนเลขที่ ว-323-ส-0040

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257653
Date Received : Feb 03, 2025
Date Reported : Feb 10, 2025
Report Number : 3221330-1

Sample Number 257653-1
Sampled Date Feb 03, 2025 2:50 PM
Sample Description Wastewater
Contract ID L_CIE_023_2550 **Plot** F-9 **Site** Van Leeuwen Pipe and Tube (Thailand) Ltd.
Date Analysis Commenced Feb 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	76.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 257699
Date Received : Feb 07, 2025
Date Reported : Feb 15, 2025
Report Number : 3221949-1

Sample Number 257699-1
Sampled Date Feb 07, 2025 11:25 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced Feb 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Sansoen Khuayoksui ทะเบียนเลขที่ ว-323-ส-0005

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2517798
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243191-1

Sample Number	2517798-1
Sampled Date	Mar 13, 2025 11:25 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_007_2564 **Plot** Z-55G **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ว-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2517799
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243193-1

Sample Number	2517799-1
Sampled Date	Mar 13, 2025 11:27 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_008_2564 **Plot** Z-55H **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	82.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ว-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2517806
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243201-1

Sample Number	2517806-1
Sampled Date	Mar 11, 2025 10:35 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced	Mar 11, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	101	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ว-0023

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2517807
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243202-1

Sample Number	2517807-1
Sampled Date	Mar 11, 2025 10:40 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced	Mar 11, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ว-0023

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 2517808
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243205-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517808-1
Sampled Date Mar 11, 2025 10:43 AM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	90.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sittiloh ทะเบียนเลขที่ ว-323-ส-0023

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517737
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242851-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517737-1
Sampled Date Mar 10, 2025 11:08 AM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Anstac (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	65.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517755
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242875-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517755-1
Sampled Date Mar 10, 2025 10:19 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	261	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ส-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517817
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243223-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517817-1
Sampled Date Mar 10, 2025 10:53 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517797
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243190-1

Sample Number 2517797-1
Sampled Date Mar 13, 2025 2:44 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittmasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517761
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242881-1

Sample Number 2517761-1
Sampled Date Mar 06, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517849
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243160-1

Sample Number 2517849-1
Sampled Date Mar 13, 2025 10:07 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	109	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	87	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	86	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	356	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517849
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243160-1

Sample Number 2517849-1
Sampled Date Mar 13, 2025 10:07 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	36.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittmasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517849
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243160-2

Sample Number	2517849-1
Sampled Date	Mar 13, 2025 10:07 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Office
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Odour		-	-	Odour	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

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

[redacted]

Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517850
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243166-1

Sample Number	2517850-1
Sampled Date	Mar 13, 2025 10:06 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Green, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	52	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	7	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	6	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ผ-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517850
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243166-1

Sample Number	2517850-1
Sampled Date	Mar 13, 2025 10:06 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Green, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1472	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ผ-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517850
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243166-2

Sample Number	2517850-1
Sampled Date	Mar 13, 2025 10:06 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Green, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.011	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

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

[redacted]

Scientist (4)

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517730
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242834-1

Sample Number 2517730-1
Sampled Date Mar 10, 2025 9:20 AM
Sample Description Wastewater
Contract ID L_CIE_002_2550 **Plot** B.I.G **Site** B.I.G. Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	140	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ส-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517842
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243155-1

Sample Number 2517842-1
Sampled Date Mar 11, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517821
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243229-1

Sample Number 2517821-1
Sampled Date Mar 11, 2025 9:39 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2567 **Plot** K.9,K.10,K.11,K.12 **Site** BNSS STEEL GROUP COMPANY LIMITED
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	60.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517833
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243168-1

Sample Number 2517833-1
Sampled Date Mar 11, 2025 10:04 AM
Sample Description Wastewater
Contract ID L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	68.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517741
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242860-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517741-1
Sampled Date Mar 11, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthaloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517801
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243195-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517801-1
Sampled Date Mar 11, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2564 **Plot** Z.34-Z.38 **Site** Celerase (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthaloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517786
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3243179-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517786-1
Sampled Date Mar 06, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517773
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242904-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517773-1
Sampled Date Mar 11, 2025 2:02 PM
Sample Description Wastewater
Contract ID L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthaloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517747
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242867-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517747-1
Sampled Date Mar 13, 2025 11:05 AM
Sample Description Wastewater
Contract ID L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	156	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Saloulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517782
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242985-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517782-1
Sampled Date Mar 11, 2025 2:23 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	84.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ง-0023

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517784
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242991-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517784-1
Sampled Date Mar 11, 2025 2:35 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2562 **Plot** Z.52 **Site** DTS Draexlmaier Automotive Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	246	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ง-0023

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517731
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242835-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517731-1
Sampled Date Mar 10, 2025 9:40 AM
Sample Description Wastewater
Contract ID L_CIE_005_2550 **Plot** A-1 **Site** Dusholux (Siam) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	57.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517795
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243188-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517795-1
Sampled Date Mar 10, 2025 2:55 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	83.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ส-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517732
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242837-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517732-1
Sampled Date Mar 10, 2025 9:47 AM
Sample Description Wastewater
Contract ID L_CIE_001_2557 **Plot** A-2 **Site** Feltol Manufacturing Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1088	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	44	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517780
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242976-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517780-1
Sampled Date Mar 11, 2025 11:03 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2562 **Plot** Z-59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	103	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517804
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243198-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517804-1
Sampled Date Mar 11, 2025 10:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	96.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517790
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243183-1

Sample Number 2517790-1
Sampled Date Mar 11, 2025 10:20 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	57.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517748
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242868-1

Sample Number 2517748-1
Sampled Date Mar 06, 2025 9:40 AM
Sample Description Wastewater
Contract ID L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location Office
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517789
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243182-1

Sample Number 2517789-1
Sampled Date Mar 11, 2025 9:29 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2563 **Plot** BC **Site** Hardware King Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517794
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243187-1

Sample Number 2517794-1
Sampled Date Mar 10, 2025 11:24 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2564 **Plot** B-8 **Site** Hi-Plus Import-Export Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

Remark :
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Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ส-0031 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517846
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243159-1

Sample Number	2517846-1
Sampled Date	Mar 13, 2025 10:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1752	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ว-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ว-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517846
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243159-2

Sample Number	2517846-1
Sampled Date	Mar 13, 2025 10:30 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.16	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ว-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ว-0002

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Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ว-0007 ทะเบียนเลขที่ ว-204-ต-0004

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517792
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243185-1

Sample Number	2517792-1
Sampled Date	Mar 11, 2025 3:05 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 11, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	107	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ว-0023

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517735
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242849-1

Sample Number	2517735-1
Sampled Date	Mar 10, 2025 10:10 AM
Sample Description	Wastewater
Contract ID	L_CIE_012_2550 **Plot** A-7 **Site** In-Season Foods Ltd.
Date Analysis Commenced	Mar 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	214	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ว-0052

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0031 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517841
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243154-1

Sample Number 2517841-1
Sampled Date Mar 10, 2025 1:45 PM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Insee Ecocycle Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	57.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	108	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro หะเบียนเลขที่ ว-323-ฉ-0052

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Technical Management [redacted]

Scientist (3)
หะเบียนเลขที่ ว-323-ฉ-0031

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517832
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242895-1

Sample Number 2517832-1
Sampled Date Mar 11, 2025 1:34 PM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	156	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sittholoh หะเบียนเลขที่ ว-323-ฉ-0023

Remark :
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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517775
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242907-1

Sample Number 2517775-1
Sampled Date Mar 11, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sittholoh หะเบียนเลขที่ ว-323-ฉ-0023

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

Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517738
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242852-1

Sample Number 2517738-1
Sampled Date Mar 10, 2025 10:58 AM
Sample Description Wastewater
Contract ID L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	83.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro หะเบียนเลขที่ ว-323-ฉ-0052

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

Technical Management [redacted]

Scientist (3)
หะเบียนเลขที่ ว-323-ฉ-0031

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517844
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243156-1

Sample Number	2517844-1
Sampled Date	Mar 13, 2025 1:55 PM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	39.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	444	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ง-0028

Senior Manager
หะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0009

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517844
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243156-2

Sample Number	2517844-1
Sampled Date	Mar 13, 2025 1:55 PM
Sample Description	Wastewater
Contract ID	L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 1
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.52	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ง-0002

Remark :
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Technical Management [redacted]

หะเบียนเลขที่ ว-204-ง-0007

หะเบียนเลขที่ ว-204-ง-0004

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517845
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243157-1

Sample Number	2517845-1
Sampled Date	Mar 13, 2025 2:19 PM
Sample Description	Wastewater
Contract ID	L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 2
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	196	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ง-0028

Senior Manager
หะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0009

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517845
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243157-2

Sample Number	2517845-1
Sampled Date	Mar 13, 2025 2:19 PM
Sample Description	Wastewater
Contract ID	L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location	Factory 2
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.14	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.0007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

หะเบียนเลขที่ ว-204-ง-0007

หะเบียนเลขที่ ว-204-ง-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517757
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242877-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517757-1
Sampled Date Mar 10, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_013_2557 **Plot** B-6B **Site** Kyowa SS (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517736
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242850-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517736-1
Sampled Date Mar 13, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_001_2554 **Plot** A-5/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	103	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517825
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243234-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517825-1
Sampled Date Mar 10, 2025 10:35 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2567 **Plot** B.12C **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	169	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517779
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242964-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517779-1
Sampled Date Mar 10, 2025 10:42 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2562 **Plot** B.12D **Site** MARU Global Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	64.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517812
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3243215-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2517812-1
Sampled Date	Mar 06, 2025 1:40 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced	Mar 06, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517778
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242961-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2517778-1
Sampled Date	Mar 11, 2025 11:12 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2560 **Plot** Z.57 **Site** Muntons Ingredients (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 11, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 2517750
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242870-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2517750-1
Sampled Date	Mar 13, 2025 2:36 PM
Sample Description	Wastewater
Contract ID	L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Lot ID: 2517815
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243222-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2517815-1
Sampled Date	Mar 10, 2025 3:05 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced	Mar 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	90.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-0052

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517824
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243233-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517824-1
Sampled Date Mar 10, 2025 10:22 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	16.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ส-0031
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517754
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242874-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517754-1
Sampled Date Mar 10, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	150	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517803
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243197-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517803-1
Sampled Date Mar 13, 2025 9:34 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	97.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517840
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242839-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517840-1
Sampled Date Mar 10, 2025 10:05 AM
Sample Description Wastewater
Contract ID L_CIE_016_2550 **Plot** A-4 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ส-0031
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517734
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242840-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517734-1
Sampled Date Mar 10, 2025 10:00 AM
Sample Description Wastewater
Contract ID L_CIE_027_2550 **Plot** A-5 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	84.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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

Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ง-0031
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517785
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243176-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517785-1
Sampled Date Mar 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2553 **Plot** A-6 **Site** NIDEC Die-casting (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	214	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0031 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517759
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242879-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517759-1
Sampled Date Mar 10, 2025 9:30 AM
Sample Description Wastewater
Contract ID L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Aluminium Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	94.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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

Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ง-0031
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517753
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242873-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517753-1
Sampled Date Mar 13, 2025 2:50 PM
Sample Description Wastewater
Contract ID L_CIE_005_2558 **Plot** A-5/2 **Site** Nual Chavee Engineering Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517822
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243231-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517822-1
Sampled Date Mar 10, 2025 10:29 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

Scientist (3) ทะเบียนเลขที่ ว-323-ส-0031
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517746
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242865-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517746-1
Sampled Date Mar 10, 2025 1:35 PM
Sample Description Wastewater
Contract ID L_CIE_014_2560 **Plot** D-12/2A **Site** S.O. TANK CLEANING TERMINAL Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	166	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517771
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242898-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517771-1
Sampled Date Mar 11, 2025 1:55 PM
Sample Description Wastewater
Contract ID L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517823
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243232-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517823-1
Sampled Date Mar 11, 2025 1:50 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517770
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242896-1

Sample Number	2517770-1
Sampled Date	Mar 11, 2025 1:39 PM
Sample Description	Wastewater
Contract ID	L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 11, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	196	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517837
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3260973-1

Sample Number	2517837-1
Sampled Date	Mar 13, 2025 10:47 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	82.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	274	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
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	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ต-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517837
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3260973-2

Sample Number	2517837-1
Sampled Date	Mar 13, 2025 10:47 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.004	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.27	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-จ-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ต-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517837
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3260973-3

Sample Number	2517837-1
Sampled Date	Mar 13, 2025 10:47 AM
Sample Description	Wastewater
Contract ID	L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.77	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

Remark :
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Results apply to the sample(s) as submitted, [redacted]

Analysis / Test Report

TESTING
No.0042

Lot ID: 2517765
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242890-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517765-1
Sampled Date Mar 06, 2025 1:30 PM
Sample Description Wastewater
Contract ID L_CIE_018_2557 **Plot** F-15 **Site** SET (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517764
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3256953-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517764-1
Sampled Date Mar 06, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Corporation Limited.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517740
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3242854-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517740-1
Sampled Date Mar 11, 2025 9:49 AM
Sample Description Wastewater
Contract ID L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sittholoh ทะเบียนเลขที่ ว-323-ส-0023

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517744
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242863-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517744-1
Sampled Date Mar 06, 2025 2:20 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517739
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242853-1

Sample Number 2517739-1
Sampled Date Mar 10, 2025 10:47 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	69.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

Remark :
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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517743
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242862-1

Sample Number 2517743-1
Sampled Date Mar 10, 2025 2:33 PM
Sample Description Wastewater
Contract ID L_CIE_019_2550 **Plot** D-4 **Site** Taisei Plas (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	81.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0031 ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517751
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3242871-1

Sample Number 2517751-1
Sampled Date Mar 10, 2025 1:55 PM
Sample Description Wastewater
Contract ID L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	282	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2520812
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3247524-1

Sample Number 2520812-1
Sampled Date Mar 10, 2025 2:28 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2568 **Plot** D.5/1 **Site** TETAR TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	347	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narunat thammasaro ทะเบียนเลขที่ ว-323-ง-0052

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Technical Management [redacted]

Scientist (3)
ทะเบียนเลขที่ ว-323-ง-0031

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517745
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242864-1

Sample Number	2517745-1
Sampled Date	Mar 06, 2025 3:00 PM
Sample Description	Wastewater
Contract ID	L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced	Mar 06, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517838
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242994-1

Sample Number	2517838-1
Sampled Date	Mar 13, 2025 1:42 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced	Mar 13, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	100	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517838
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242994-1

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517838
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3242994-2

Sample Number	2517838-1
Sampled Date	Mar 13, 2025 1:42 PM
Sample Description	Wastewater
Contract ID	L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced	Mar 14, 2025
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.003	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517763
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242885-1

Sample Number 2517763-1
Sampled Date Mar 06, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_CIE_001_2552 **Plot** F-12 **Site** Thai Instant Products Co.,Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	244	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517814
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243220-1

Sample Number 2517814-1
Sampled Date Mar 13, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2566 **Plot** Z-60,261,261B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharuat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517810
Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243208-1

Sample Number 2517810-1
Sampled Date Mar 13, 2025 11:09 AM
Sample Description Wastewater
Contract ID L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharuat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2517796
Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243189-1

Sample Number 2517796-1
Sampled Date Mar 11, 2025 3:15 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-ง-0023

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517818

Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243225-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517818-1
Sampled Date Mar 11, 2025 1:44 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh หะเบียนเลขที่ ว-323-ส-0023

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Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517769

Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243236-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517769-1
Sampled Date Mar 11, 2025 10:26 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2567 **Plot** Z.4, Z.4A, Z.4C **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	142	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh หะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517805

Date Received : Mar 11, 2025
Date Reported : Mar 18, 2025
Report Number : 3243200-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517805-1
Sampled Date Mar 11, 2025 2:44 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2565 **Plot** Z-64 **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	72.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Phongthep Sitthiloh หะเบียนเลขที่ ว-323-ส-0023

Remark :
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Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517788

Date Received : Mar 13, 2025
Date Reported : Mar 19, 2025
Report Number : 3243181-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517788-1
Sampled Date Mar 13, 2025 11:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2563 **Plot** Z-55D **Site** Ultimate Springs (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 13, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	144	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517760
Date Received : Mar 06, 2025
Date Reported : Mar 13, 2025
Report Number : 3242880-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517760-1
Sampled Date Mar 06, 2025 2:05 PM
Sample Description Wastewater
Contract ID L_CIE_023_2550 **Plot** F-9 **Site** Van Leeuwen Pipe and Tube (Thailand) Ltd.
Date Analysis Commenced Mar 06, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2517809
Date Received : Mar 10, 2025
Date Reported : Mar 17, 2025
Report Number : 3243206-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2517809-1
Sampled Date Mar 10, 2025 11:10 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced Mar 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	132	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Narinat thammasaen ทะเบียนเลขที่ ว-323-ส-0052

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0031

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527869
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267300-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527869-1
Sampled Date Apr 04, 2025 11:22 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2564 **Plot** Z-55H **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527876
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267314-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527876-1
Sampled Date Apr 04, 2025 10:00 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	91.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527877
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267315-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527877-1
Sampled Date Apr 04, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	147	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527878
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267317-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527878-1
Sampled Date Apr 04, 2025 10:05 AM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	68.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527845
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267243-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527845-1
Sampled Date Apr 04, 2025 11:18 AM
Sample Description Wastewater
Contract ID L_CIE_008_2558 **Plot** Z-55E **Site** Analog City
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	110	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527804
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267154-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527804-1
Sampled Date Apr 07, 2025 3:10 PM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Arastac (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	37.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527822
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267187-1

Sample Number 2527822-1
Sampled Date Apr 10, 2025 10:19 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	170	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527887
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267331-1

Sample Number 2527887-1
Sampled Date Apr 10, 2025 10:33 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	32.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527867
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267297-1

Sample Number 2527867-1
Sampled Date Apr 03, 2025 3:24 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	50.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527829
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267194-1

Sample Number 2527829-1
Sampled Date Apr 03, 2025 2:09 PM
Sample Description Wastewater
Contract ID L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527917
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267271-1

Sample Number 2527917-1
Sampled Date Apr 03, 2025 11:11 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
COD	mg/L	1.5	25	117	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	90	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	86	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	372	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527917
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267271-1

Sample Number 2527917-1
Sampled Date Apr 03, 2025 11:11 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	44.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028
ทะเบียนเลขที่ ว-323-ค-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527917
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267271-2

Sample Number 2527917-1
Sampled Date Apr 03, 2025 11:11 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Odour	-	-	-	Odourless	No Standard	TIS. 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

Remark :
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Scientist (4)

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527918
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267272-1

Sample Number 2527918-1
Sampled Date Apr 03, 2025 11:09 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	49	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	10	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527918
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267272-1

Sample Number	2527918-1
Sampled Date	Apr 03, 2025 11:09 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1536	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527918
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267272-2

Sample Number	2527918-1
Sampled Date	Apr 03, 2025 11:09 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.017	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak

Remark :
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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527797
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267146-1

Sample Number	2527797-1
Sampled Date	Apr 03, 2025 10:46 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2550 **Plot** B.I.G **Site** B.I.G. Co.,Ltd.
Date Analysis Commenced	Apr 03, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	70.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527911
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267263-1

Sample Number	2527911-1
Sampled Date	Apr 04, 2025 2:40 PM
Sample Description	Wastewater
Contract ID	L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced	Apr 04, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Lot ID: 2527900
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267273-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527900-1
Sampled Date Apr 10, 2025 10:54 AM
Sample Description Wastewater
Contract ID L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	76.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	39	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Lot ID: 2527808
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267173-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527808-1
Sampled Date Apr 03, 2025 11:25 AM
Sample Description Wastewater
Contract ID L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527871
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267305-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527871-1
Sampled Date Apr 04, 2025 10:59 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2564 **Plot** Z.34-Z.38 **Site** Celeraise (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong หะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527855
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267282-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527855-1
Sampled Date Apr 03, 2025 2:34 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527842
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267238-1

Sample Number 2527842-1
Sampled Date Apr 04, 2025 2:00 PM
Sample Description Wastewater
Contract ID L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527814
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267179-1

Sample Number 2527814-1
Sampled Date Apr 10, 2025 11:46 AM
Sample Description Wastewater
Contract ID L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	114	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527851
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267250-1

Sample Number 2527851-1
Sampled Date Apr 04, 2025 2:50 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527853
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267256-1

Sample Number 2527853-1
Sampled Date Apr 04, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2562 **Plot** Z.52 **Site** DTS Draexlmaier Automotive Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	164	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527798
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267147-1

Sample Number 2527798-1
Sampled Date Apr 07, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_005_2550 **Plot** A-1 **Site** Dusholux (Siam) Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527843
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267239-1

Sample Number 2527843-1
Sampled Date Apr 04, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_CIE_007_2550 **Plot** Z-49 **Site** EBRO Valves (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	125	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527865
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267294-1

Sample Number 2527865-1
Sampled Date Apr 10, 2025 9:57 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527799
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267148-1

Sample Number 2527799-1
Sampled Date Apr 07, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_CIE_001_2557 **Plot** A-2 **Site** Feltol Manufacturing Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	91.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location: WHA CIE 1

Lot ID: 2527884
Date Received : Apr 04, 2025
Date Reported : Apr 10, 2025
Report Number : 3267327-1

Sample Number	2527884-1
Sampled Date	Apr 04, 2025 10:05 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_003_2566 **Plot** Z-59E **Site** FES & RAYSOAR ELECTRONICS Co.,Ltd.
Date Analysis Commenced	Apr 04, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location: WHA CIE 1

Lot ID: 2527849
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267249-1

Sample Number	2527849-1
Sampled Date	Apr 04, 2025 10:25 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2562 **Plot** Z.59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced	Apr 04, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	98.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location: WHA CIE 1

Lot ID: 2527874
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267309-1

Sample Number	2527874-1
Sampled Date	Apr 04, 2025 10:20 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced	Apr 04, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	69.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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TESTING
No.0042

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location: WHA CIE 1

Lot ID: 2527823
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267188-1

Sample Number	2527823-1
Sampled Date	Apr 10, 2025 11:04 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2558 **Plot** B-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Location	บริษัท ควอซาร์ เมดิคอล ไทยแลนด์
Date Analysis Commenced	Apr 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	145	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527881
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267325-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527881-1
Sampled Date Apr 10, 2025 3:20 PM
Sample Description Wastewater
Contract ID L_CIE_011_2557 **Plot** D-1 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	27.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527816
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267181-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527816-1
Sampled Date Apr 10, 2025 3:12 PM
Sample Description Wastewater
Contract ID L_CIE_010_2557 **Plot** D-2 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527819
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267184-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527819-1
Sampled Date Apr 10, 2025 2:48 PM
Sample Description Wastewater
Contract ID L_CIE_004_2558 **Plot** D-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527890
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267335-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527890-1
Sampled Date Apr 10, 2025 2:34 PM
Sample Description Wastewater
Contract ID L_CIE_013_2558 **Plot** D-7 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	30.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527863
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267292-1

Sample Number 2527863-1
Sampled Date Apr 10, 2025 2:38 PM
Sample Description Wastewater
Contract ID L_CIE_014_2558 **Plot** D-8 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527833
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267200-1

Sample Number 2527833-1
Sampled Date Apr 04, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_CIE_007_2556 **Plot** Z-13 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527834
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267202-1

Sample Number 2527834-1
Sampled Date Apr 04, 2025 10:50 AM
Sample Description Wastewater
Contract ID L_CIE_008_2556 **Plot** Z-14 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527836
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267203-1

Sample Number 2527836-1
Sampled Date Apr 04, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_CIE_009_2556 **Plot** Z-16-17 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527860
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267288-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527860-1
Sampled Date Apr 10, 2025 11:11 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	45.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527815
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267180-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527815-1
Sampled Date Apr 10, 2025 3:29 PM
Sample Description Wastewater
Contract ID L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location Office
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	16.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527858
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267287-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527858-1
Sampled Date Apr 03, 2025 9:34 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2563 **Plot** BC **Site** Hardware King Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odourless, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527864
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267293-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527864-1
Sampled Date Apr 07, 2025 3:25 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2564 **Plot** B-8 **Site** HI-Plus Import-Export Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527916

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267269-1

Sample Number 2527916-1
Sampled Date Apr 04, 2025 9:20 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	956	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2527916

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267269-2

Sample Number 2527916-1
Sampled Date Apr 04, 2025 9:20 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 05, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.11	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527862

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267291-1

Sample Number 2527862-1
Sampled Date Apr 04, 2025 3:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Lot ID: 2527802

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267152-1

Sample Number 2527802-1
Sampled Date Apr 10, 2025 10:14 AM
Sample Description Wastewater
Contract ID L_CIE_012_2550 **Plot** A-7 **Site** In-Season Foods Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	78.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527910
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267262-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527910-1
Sampled Date Apr 03, 2025 2:59 PM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Insee Ecocycle Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	146	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	32	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527841
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267221-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527841-1
Sampled Date Apr 04, 2025 11:10 AM
Sample Description Wastewater
Contract ID L_CIE_003_2561 **Plot** Z-40 **Site** ISHWAR PROFILES (THAILAND) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 | ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527902
Date Received : Apr 04, 2025
Date Reported : Apr 17, 2025
Report Number : 3283393-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527902-1
Sampled Date Apr 04, 2025 10:33 AM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	0.2	<1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527844
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267241-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527844-1
Sampled Date Apr 04, 2025 9:50 AM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527805
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267155-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527805-1
Sampled Date Apr 10, 2025 10:36 AM
Sample Description Wastewater
Contract ID L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527914
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267264-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527914-1
Sampled Date Apr 10, 2025 1:52 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	420	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2527914
Date Received : Apr 10, 2025
Date Reported : Apr 12, 2025
Report Number : 3267264-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527914-1
Sampled Date Apr 10, 2025 1:52 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Apr 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.12	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.006	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

Remark :
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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ง-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527915
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267267-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527915-1
Sampled Date Apr 10, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	296	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527915
Date Received : Apr 10, 2025
Date Reported : Apr 12, 2025
Report Number : 3267267-2

Sample Number 2527915-1
Sampled Date Apr 10, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Apr 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.35	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Manager
หะเบียนเลขที่ ว-204-ส-0007

Technical Manager
หะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527803
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267153-1

Sample Number 2527803-1
Sampled Date Apr 03, 2025 3:36 PM
Sample Description Wastewater
Contract ID L_CIE_001_2554 **Plot** A-5/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	218	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028

หะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527809
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267174-1

Sample Number 2527809-1
Sampled Date Apr 10, 2025 10:03 AM
Sample Description Wastewater
Contract ID L_CIE_001_2551 **Plot** B-7 **Site** Lungka Products Asia Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527882
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267326-1

Sample Number 2527882-1
Sampled Date Apr 03, 2025 1:32 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527847
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267246-1

Sample Number 2527847-1
Sampled Date Apr 04, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_CIE_001_2560 **Plot** Z.57 **Site** Muntons Ingredients (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527817
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267182-1

Sample Number 2527817-1
Sampled Date Apr 03, 2025 3:19 PM
Sample Description Wastewater
Contract ID L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527886
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267329-1

Sample Number 2527886-1
Sampled Date Apr 03, 2025 3:43 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	115	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527894
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267339-1

Sample Number 2527894-1
Sampled Date Apr 07, 2025 2:45 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	56.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ง-0022

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527821
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267186-1

Sample Number 2527821-1
Sampled Date Apr 07, 2025 2:35 PM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527873
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267307-1

Sample Number 2527873-1
Sampled Date Apr 07, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	81.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527826
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267192-1

Sample Number 2527826-1
Sampled Date Apr 07, 2025 2:05 PM
Sample Description Wastewater
Contract ID L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Aluminium Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	56.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527820
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267185-1

Sample Number 2527820-1
Sampled Date Apr 03, 2025 3:29 PM
Sample Description Wastewater
Contract ID L_CIE_005_2558 **Plot** A-5/2 **Site** Nual Chavee Engineering Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	212	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527889
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267333-1

Sample Number 2527889-1
Sampled Date Apr 10, 2025 9:52 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2566 **Plot** B.6D **Site** Pegasus Corporation Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527892
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267337-1

Sample Number 2527892-1
Sampled Date Apr 10, 2025 10:24 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028

หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527813
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267178-1

Sample Number 2527813-1
Sampled Date Apr 03, 2025 2:46 PM
Sample Description Wastewater
Contract ID L_CIE_014_2560 **Plot** D-12/2A **Site** S.O. TANK CLEANING TERMINAL Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527840
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267219-1

Sample Number 2527840-1
Sampled Date Apr 04, 2025 1:48 PM
Sample Description Wastewater
Contract ID L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	64.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong หะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ส-0028

Senior Manager
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527893
Date Received : Apr 04, 2025
Date Reported : Apr 10, 2025
Report Number : 3267338-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527893-1
Sampled Date Apr 04, 2025 1:58 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	44.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527839
Date Received : Apr 04, 2025
Date Reported : Apr 11, 2025
Report Number : 3267218-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527839-1
Sampled Date Apr 04, 2025 1:42 PM
Sample Description Wastewater
Contract ID L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	180	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527905
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267257-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527905-1
Sampled Date Apr 03, 2025 11:33 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid, and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	103	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	436	<250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	376	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2527905
Date Received : Apr 03, 2025
Date Reported : Apr 10, 2025
Report Number : 3267257-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527905-1
Sampled Date Apr 03, 2025 11:33 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid, and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	1.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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Technical Management [redacted]

Manager ทะเบียนเลขที่ ว-204-ส-0007 | Senior Manager ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2527905
Date Received : Apr 03, 2025
Date Reported : Apr 10, 2025
Report Number : 3267257-3

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527905-1
Sampled Date Apr 03, 2025 11:33 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid, and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	2.51	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

Remark :
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Manager

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527832
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267199-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527832-1
Sampled Date Apr 03, 2025 1:47 PM
Sample Description Wastewater
Contract ID L_CIE_018_2557 **Plot** F-15 **Site** SET (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	41.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ฉ-0028 ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527831
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267198-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527831-1
Sampled Date Apr 03, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Comporation Limited.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0028 ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527807
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267170-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527807-1
Sampled Date Apr 03, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0028 ทะเบียนเลขที่ ว-323-ฉ-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527811
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267176-1

Sample Number 2527811-1
Sampled Date Apr 03, 2025 2:26 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527806
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267169-1

Sample Number 2527806-1
Sampled Date Apr 10, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

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TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527810
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267175-1

Sample Number 2527810-1
Sampled Date Apr 10, 2025 3:05 PM
Sample Description Wastewater
Contract ID L_CIE_019_2550 **Plot** D-4 **Site** Taisei Plas (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	89.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527818
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267183-1

Sample Number 2527818-1
Sampled Date Apr 03, 2025 1:07 PM
Sample Description Wastewater
Contract ID L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	129	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527837
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267342-1

Sample Number 2527837-1
Sampled Date Apr 10, 2025 2:59 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2568 **Plot** D.5/1 **Site** TETAR TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	164	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527812
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267177-1

Sample Number 2527812-1
Sampled Date Apr 03, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	41.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527906
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267260-1

Sample Number 2527906-1
Sampled Date Apr 10, 2025 1:37 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
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	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527906
Date Received : Apr 10, 2025
Date Reported : Apr 12, 2025
Report Number : 3267260-2

Sample Number 2527906-1
Sampled Date Apr 10, 2025 1:37 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Apr 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

Remark :
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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527830
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267197-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527830-1
Sampled Date Apr 03, 2025 2:04 PM
Sample Description Wastewater
Contract ID L_CIE_001_2552 **Plot** F-12 **Site** Thai Instant Products Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	226	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527885
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267328-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527885-1
Sampled Date Apr 10, 2025 1:54 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2566 **Plot** Z-60,261,261B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2527880
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267320-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527880-1
Sampled Date Apr 03, 2025 11:42 AM
Sample Description Wastewater
Contract ID L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	98.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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TESTING
No.0042

Lot ID: 2527866
Date Received : Apr 10, 2025
Date Reported : Apr 16, 2025
Report Number : 3267296-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2527866-1
Sampled Date Apr 10, 2025 2:21 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced Apr 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527888
Date Received : Apr 04, 2025
Date Reported : Apr 10, 2025
Report Number : 3267332-1

Sample Number 2527888-1
Sampled Date Apr 04, 2025 1:35 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced Apr 04, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong หะเบียนเลขที่ ว-323-ส-0022

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Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527828
Date Received : Apr 03, 2025
Date Reported : Apr 09, 2025
Report Number : 3267193-1

Sample Number 2527828-1
Sampled Date Apr 03, 2025 2:20 PM
Sample Description Wastewater
Contract ID L_CIE_023_2550 **Plot** F-9 **Site** Van Leeuwen Pipe and Tube (Thailand) Ltd.
Date Analysis Commenced Apr 03, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	54.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

หะเบียนเลขที่ ว-323-ส-0028
หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2527879
Date Received : Apr 07, 2025
Date Reported : Apr 12, 2025
Report Number : 3267319-1

Sample Number 2527879-1
Sampled Date Apr 07, 2025 3:15 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced Apr 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	59.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Ekkachai Tuntong หะเบียนเลขที่ ว-323-ส-0022

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

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536524
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291813-1

Sample Number 2536524-1
Sampled Date May 09, 2025 10:43 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong หะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) หะเบียนเลขที่ ว-323-ส-0028
Senior Manager หะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536525
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291814-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536525-1
Sampled Date May 09, 2025 10:41 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	147	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536526
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291815-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536526-1
Sampled Date May 09, 2025 10:45 AM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	63.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
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Lot ID: 2536495
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291773-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536495-1
Sampled Date May 09, 2025 11:06 AM
Sample Description Wastewater
Contract ID L_CIE_008_2558 **Plot** Z-55E **Site** Analog City
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	72.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
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Lot ID: 2536458
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291735-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536458-1
Sampled Date May 08, 2025 10:40 AM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Arstac (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	56.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Lot ID: 2536476

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291753-1

Sample Number 2536476-1
Sampled Date May 08, 2025 9:50 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	109	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
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Lot ID: 2536534

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291824-1

Sample Number 2536534-1
Sampled Date May 08, 2025 10:23 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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Lot ID: 2536515

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291804-1

Sample Number 2536515-1
Sampled Date May 07, 2025 3:30 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	97.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
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Lot ID: 2536482

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291759-1

Sample Number 2536482-1
Sampled Date May 09, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536557
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291788-1

Sample Number 2536557-1
Sampled Date May 07, 2025 9:38 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
COD	mg/L	1.5	25	98	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	80	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	78	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Temperature *	Degree C	-	-	30.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	316	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536557
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291788-1

Sample Number 2536557-1
Sampled Date May 07, 2025 9:38 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	66.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 4500-Norg (C). part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028

ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536557
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291788-2

Sample Number 2536557-1
Sampled Date May 07, 2025 9:38 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Odour	-	-	-	Odourless	Not Change from natural condition	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

Remark :
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[redacted]

Scientist (4)

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536558
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291789-1

Sample Number 2536558-1
Sampled Date May 07, 2025 9:43 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	6	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	5	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536558
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291789-1

Sample Number	2536558-1
Sampled Date	May 07, 2025 9:43 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	960	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536558
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291789-2

Sample Number	2536558-1
Sampled Date	May 07, 2025 9:43 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location	Process
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.017	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536451
Date Received : May 07, 2025
Date Reported : May 14, 2025
Report Number : 3291727-1

Sample Number	2536451-1
Sampled Date	May 07, 2025 9:25 AM
Sample Description	Wastewater
Contract ID	L_CIE_002_2550 **Plot** B.I.G **Site** B.I.G. Co.,Ltd.
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	153	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536553
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291784-1

Sample Number	2536553-1
Sampled Date	May 09, 2025 3:13 PM
Sample Description	Wastewater
Contract ID	L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	135	<250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-		8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	40	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location : WHA CIE 1

Lot ID: 2536538
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291828-1

Sample Number	2536538-1
Sampled Date	May 08, 2025 1:40 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2567 **Plot** K.9,K.10,K.11,K.12 **Site** BNSS STEEL GROUP COMPANY LIMITED
Date Analysis Commenced	May 08, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location : WHA CIE 1

Lot ID: 2536546
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291790-1

Sample Number	2536546-1
Sampled Date	May 07, 2025 10:14 AM
Sample Description	Wastewater
Contract ID	L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	39.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location : WHA CIE 1

Lot ID: 2536462
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291739-1

Sample Number	2536462-1
Sampled Date	May 07, 2025 10:01 AM
Sample Description	Wastewater
Contract ID	L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory l Monthly
Project Location : WHA CIE 1

Lot ID: 2536504
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291793-1

Sample Number	2536504-1
Sampled Date	May 08, 2025 3:30 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced	May 08, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	9.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536492
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291770-1

Sample Number 2536492-1
Sampled Date May 09, 2025 2:57 PM
Sample Description Wastewater
Contract ID L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536468
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291745-1

Sample Number 2536468-1
Sampled Date May 09, 2025 9:25 AM
Sample Description Wastewater
Contract ID L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	62.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536500
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291778-1

Sample Number 2536500-1
Sampled Date May 09, 2025 3:21 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536452
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291728-1

Sample Number 2536452-1
Sampled Date May 08, 2025 9:05 AM
Sample Description Wastewater
Contract ID L_CIE_005_2550 **Plot** A-1 **Site** Dusholux (Siam) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittmasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536513
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291802-1

Sample Number	2536513-1
Sampled Date	May 08, 2025 11:10 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced	May 08, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	155	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ว-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536531
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291821-1

Sample Number	2536531-1
Sampled Date	May 09, 2025 10:47 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_003_2566 **Plot** Z-59E **Site** FES & RAYSOAR ELECTRONICS Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ว-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536499
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291777-1

Sample Number	2536499-1
Sampled Date	May 09, 2025 11:02 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2562 **Plot** Z.59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	94.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ว-0011

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536522
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291811-1

Sample Number	2536522-1
Sampled Date	May 09, 2025 10:58 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ว-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ว-0028 ทะเบียนเลขที่ ว-323-ต-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536520
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291809-1

Sample Number	2536520-1
Sampled Date	May 09, 2025 3:27 PM
Sample Description	Wastewater
Contract ID	L_CIE_010_2558 **Plot** Z-66 **Site** Finixx Global Industry Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536477
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291754-1

Sample Number	2536477-1
Sampled Date	May 07, 2025 10:20 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2558 **Plot** B-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Location	บริษัท ควอซาร์ เมดิคอล ไทยแลนด์
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	170	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ล-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536529
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291819-1

Sample Number	2536529-1
Sampled Date	May 07, 2025 3:11 PM
Sample Description	Wastewater
Contract ID	L_CIE_011_2557 **Plot** D-1 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	32.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

Scientist (4)   Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536470
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291747-1

Sample Number	2536470-1
Sampled Date	May 08, 2025 3:55 PM
Sample Description	Wastewater
Contract ID	L_CIE_010_2557 **Plot** D-2 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 08, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ล-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536473
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291750-1

Sample Number	2536473-1
Sampled Date	May 07, 2025 11:23 AM
Sample Description	Wastewater
Contract ID	L_CIE_004_2558 **Plot** D-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 07, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	88.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323- จ-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536511
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291800-1

Sample Number	2536511-1
Sampled Date	May 09, 2025 8:55 AM
Sample Description	Wastewater
Contract ID	L_CIE_014_2558 **Plot** D-8 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536486
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291763-1

Sample Number	2536486-1
Sampled Date	May 09, 2025 2:48 PM
Sample Description	Wastewater
Contract ID	L_CIE_007_2556 **Plot** Z-13 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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

Technical Management [redacted]

Scientist (4)   Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536487
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291764-1

Sample Number	2536487-1
Sampled Date	May 09, 2025 2:42 PM
Sample Description	Wastewater
Contract ID	L_CIE_008_2556 **Plot** Z-14 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028   ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536508
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291797-1

Sample Number 2536508-1
Sampled Date May 07, 2025 10:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	93.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536469
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291746-1

Sample Number 2536469-1
Sampled Date May 09, 2025 9:59 AM
Sample Description Wastewater
Contract ID L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location Office
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 | ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536507
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291796-1

Sample Number 2536507-1
Sampled Date May 07, 2025 8:56 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2563 **Plot** BC **Site** Hardware King Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536512
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291801-1

Sample Number 2536512-1
Sampled Date May 08, 2025 10:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2564 **Plot** B-8 **Site** Hi-Plus Import-Export Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028 | Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536556

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291787-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536556-1
Sampled Date May 09, 2025 4:33 PM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2380	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0009

Lot ID: 2536556

Date Received : May 09, 2025
Date Reported : May 17, 2025
Report Number : 3291787-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536556-1
Sampled Date May 09, 2025 4:33 PM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced May 13, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.02	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ง-0008

ทะเบียนเลขที่ ว-204-ค-0004

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Lot ID: 2536510

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291799-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536510-1
Sampled Date May 09, 2025 3:44 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536456

Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291733-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536456-1
Sampled Date May 08, 2025 9:40 AM
Sample Description Wastewater
Contract ID L_CIE_012_2550 **Plot** A-7 **Site** In-Season Foods Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	102	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536552
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291783-1

Sample Number 2536552-1
Sampled Date May 09, 2025 10:04 AM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Insee Ecocycle Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	68.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	191	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	35	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536545
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291766-1

Sample Number 2536545-1
Sampled Date May 09, 2025 2:15 PM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	74.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	0.4	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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S317-123/ EMAIL S:\Reports_All_GL.rpt [3:08PM]

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536494
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291772-1

Sample Number 2536494-1
Sampled Date May 09, 2025 10:33 AM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	38.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ง-0011

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536459
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291736-1

Sample Number 2536459-1
Sampled Date May 08, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	44.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536554

Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291785-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536554-1
Sampled Date May 07, 2025 2:01 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 5210 B. part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	488	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0009

Lot ID: 2536554

Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291785-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536554-1
Sampled Date May 07, 2025 2:01 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.77	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023. part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536555

Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291786-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536555-1
Sampled Date May 07, 2025 2:43 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	27.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	344	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2536555

Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291786-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536555-1
Sampled Date May 07, 2025 2:43 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.54	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536478
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291755-1

Sample Number 2536478-1
Sampled Date May 08, 2025 11:12 AM
Sample Description Wastewater
Contract ID L_CIE_013_2557 **Plot** B-6B **Site** Kyowa SS (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	41.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
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Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536457
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291734-1

Sample Number 2536457-1
Sampled Date May 07, 2025 3:42 PM
Sample Description Wastewater
Contract ID L_CIE_001_2554 **Plot** A-5/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	205	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536463
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291740-1

Sample Number 2536463-1
Sampled Date May 08, 2025 11:00 AM
Sample Description Wastewater
Contract ID L_CIE_001_2551 **Plot** B-7 **Site** Lungka Products Asia Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536530
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291820-1

Sample Number 2536530-1
Sampled Date May 08, 2025 2:35 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536497
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291775-1

Sample Number 2536497-1
Sampled Date May 09, 2025 2:06 PM
Sample Description Wastewater
Contract ID L_CIE_001_2560 **Plot** Z.57 **Site** Muntons Ingredients (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	65.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536471
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291748-1

Sample Number 2536471-1
Sampled Date May 07, 2025 3:21 PM
Sample Description Wastewater
Contract ID L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536533
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291823-1

Sample Number 2536533-1
Sampled Date May 07, 2025 3:50 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	87.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536541
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291831-1

Sample Number 2536541-1
Sampled Date May 08, 2025 9:53 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	5.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536475
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291752-1

Sample Number 2536475-1
Sampled Date May 08, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	140	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536521
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291810-1

Sample Number 2536521-1
Sampled Date May 08, 2025 10:27 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	136	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536480
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291757-1

Sample Number 2536480-1
Sampled Date May 08, 2025 8:50 AM
Sample Description Wastewater
Contract ID L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Aluminium Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	100	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536474
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291751-1

Sample Number 2536474-1
Sampled Date May 07, 2025 3:35 PM
Sample Description Wastewater
Contract ID L_CIE_005_2558 **Plot** A-5/2 **Site** Nual Chavee Engineering Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	57.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536539
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291829-1

Sample Number	2536539-1
Sampled Date	May 08, 2025 10:05 AM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced	May 08, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Blue, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536490
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291768-1

Sample Number	2536490-1
Sampled Date	May 09, 2025 2:34 PM
Sample Description	Wastewater
Contract ID	L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	72.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536540
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291830-1

Sample Number	2536540-1
Sampled Date	May 09, 2025 2:30 PM
Sample Description	Wastewater
Contract ID	L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

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Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location : WHA CIE 1

Lot ID: 2536489
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291767-1

Sample Number	2536489-1
Sampled Date	May 09, 2025 2:19 PM
Sample Description	Wastewater
Contract ID	L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced	May 09, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	155	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536548
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291781-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536548-1
Sampled Date May 09, 2025 4:06 PM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	34.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	271	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	216	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2536548
Date Received : May 09, 2025
Date Reported : May 17, 2025
Report Number : 3291781-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536548-1
Sampled Date May 09, 2025 4:06 PM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced May 13, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.004	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	1.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ส-0008

ทะเบียนเลขที่ ว-204-ส-0004

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0009

Lot ID: 2536548
Date Received : May 09, 2025
Date Reported : May 17, 2025
Report Number : 3291781-3

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536548-1
Sampled Date May 09, 2025 4:06 PM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced May 13, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	2.39	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :
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Section Head

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536485
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291762-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536485-1
Sampled Date May 08, 2025 2:30 PM
Sample Description Wastewater
Contract ID L_CIE_018_2557 **Plot** F-15 **Site** SET (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536484
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291761-1

Sample Number 2536484-1
Sampled Date May 08, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Corporation Limited.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536461
Date Received : May 07, 2025
Date Reported : May 14, 2025
Report Number : 3291738-1

Sample Number 2536461-1
Sampled Date May 07, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028

ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536465
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291742-1

Sample Number 2536465-1
Sampled Date May 08, 2025 3:20 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	38.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536460
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291737-1

Sample Number 2536460-1
Sampled Date May 08, 2025 10:20 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	86.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536464
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291741-1

Sample Number 2536464-1
Sampled Date May 07, 2025 3:00 PM
Sample Description Wastewater
Contract ID L_CIE_019_2550 **Plot** D-4 **Site** Tasei Plas (Thailand) Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	166	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536472
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291749-1

Sample Number 2536472-1
Sampled Date May 09, 2025 10:13 AM
Sample Description Wastewater
Contract ID L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	129	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ฉ-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ฉ-0028

ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536547
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291791-1

Sample Number 2536547-1
Sampled Date May 08, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_CIE_013_2560 **Plot** F-13A **Site** Thai daerim Precision Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	127	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	360	<750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	404	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	108	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536466
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291743-1

Sample Number 2536466-1
Sampled Date May 08, 2025 3:40 PM
Sample Description Wastewater
Contract ID L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ฉ-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ฉ-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536549
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291782-1

Sample Number 2536549-1
Sampled Date May 07, 2025 1:49 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	102	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536549
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291782-2

Sample Number 2536549-1
Sampled Date May 07, 2025 1:49 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.003	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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Technical Management [redacted]

ทะเบียนเลขที่ ว-204-ส-0007

ทะเบียนเลขที่ ว-204-ส-0004

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536532
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291822-1

Sample Number 2536532-1
Sampled Date May 07, 2025 2:09 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2566 **Plot** Z-60,261,261B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536528
Date Received : May 07, 2025
Date Reported : May 15, 2025
Report Number : 3291817-1

Sample Number 2536528-1
Sampled Date May 07, 2025 11:10 AM
Sample Description Wastewater
Contract ID L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced May 07, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	115	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536514

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291803-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536514-1
Sampled Date May 09, 2025 3:53 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	54.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536535

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291825-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536535-1
Sampled Date May 09, 2025 2:23 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536543

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291833-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536543-1
Sampled Date May 09, 2025 11:35 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2567 **Plot** Z.4, Z.4A, Z.4C **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2536501

Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291779-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2536501-1
Sampled Date May 09, 2025 11:18 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2562 **Plot** Z.63/1 **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	74.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536523
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291812-1

Sample Number 2536523-1
Sampled Date May 09, 2025 11:55 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2565 **Plot** Z-64 **Site** Top Link Industrial (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536506
Date Received : May 09, 2025
Date Reported : May 16, 2025
Report Number : 3291795-1

Sample Number 2536506-1
Sampled Date May 09, 2025 11:11 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2563 **Plot** Z-55D **Site** Ultimate Springs (Thailand) Co.,Ltd.
Date Analysis Commenced May 09, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-ส-0011

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0028 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536481
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291758-1

Sample Number 2536481-1
Sampled Date May 08, 2025 3:05 PM
Sample Description Wastewater
Contract ID L_CIE_023_2550 **Plot** F-9 **Site** Van Leeuwen Pipe and Tube (Thailand) Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	87.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2536527
Date Received : May 08, 2025
Date Reported : May 15, 2025
Report Number : 3291816-1

Sample Number 2536527-1
Sampled Date May 08, 2025 10:42 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced May 08, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548005
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311937-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548005-1
Sampled Date Jun 12, 2025 11:18 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2564 **Plot** Z-55H **Site** AGRI SYRUP INDUSTRY (THAILAND) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548012
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311944-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548012-1
Sampled Date Jun 12, 2025 9:41 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2565 **Plot** Z-59B **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	73.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548013
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311945-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548013-1
Sampled Date Jun 12, 2025 9:36 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2565 **Plot** Z-59C **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	72.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548014
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311946-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548014-1
Sampled Date Jun 12, 2025 9:44 AM
Sample Description Wastewater
Contract ID L_CIE_007_2560 **Plot** Z-59D **Site** AIR INTERNATIONAL THERMAL SYSTEMS (THAILAND) LIMITED
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	110	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547982
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311876-1

Sample Number 2547982-1
Sampled Date Jun 12, 2025 11:09 AM
Sample Description Wastewater
Contract ID L_CIE_008_2558 **Plot** Z-55E **Site** Analog City
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	60.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547942
Date Received : Jun 11, 2025
Date Reported : Jun 17, 2025
Report Number : 3311824-1

Sample Number 2547942-1
Sampled Date Jun 11, 2025 10:53 AM
Sample Description Wastewater
Contract ID L_CIE_003_2557 **Plot** B-10B **Site** Anstac (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	56.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547961
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311855-1

Sample Number 2547961-1
Sampled Date Jun 11, 2025 10:13 AM
Sample Description Wastewater
Contract ID L_CIE_009_2558 **Plot** A-08C **Site** Asahi Diamond (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	104	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548024
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311959-1

Sample Number 2548024-1
Sampled Date Jun 11, 2025 10:42 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2566 **Plot** B11-B **Site** ASMECH TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548003
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311935-1

Sample Number 2548003-1
Sampled Date Jun 10, 2025 3:21 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2564 **Plot** C-01 **Site** ATEN COMPUTER PRODUCT Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547967
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311861-1

Sample Number 2547967-1
Sampled Date Jun 11, 2025 3:03 PM
Sample Description Wastewater
Contract ID L_CIE_001_2550 **Plot** F-11 **Site** Aui Heng Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	79.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548070
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311907-1

Sample Number 2548070-1
Sampled Date Jun 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	133	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	68	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	67	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	388	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548070
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311907-1

Sample Number 2548070-1
Sampled Date Jun 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	74.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	28	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548070
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311907-2

Sample Number 2548070-1
Sampled Date Jun 10, 2025 9:55 AM
Sample Description Wastewater
Contract ID L_CIE_002_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Office
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	Not Change from natural condition	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

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

[redacted]

Scientist (2)

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548071
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311908-1

Sample Number 2548071-1
Sampled Date Jun 10, 2025 9:58 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	29	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	8	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	8	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Rayong
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ผ-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548071
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311908-1

Sample Number 2548071-1
Sampled Date Jun 10, 2025 9:58 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1270	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-ง-0028 ทะเบียนเลขที่ ว-323-ผ-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548071
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311908-2

Sample Number 2548071-1
Sampled Date Jun 10, 2025 9:58 AM
Sample Description Wastewater
Contract ID L_CIE_003_2559 **Plot** A **Site** B. Grimm Power (WHA) 1 Limited.
Location Process
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/s	-	-	0.017	No Standard	Flow meter	Rayong
Odour		-	-	Odourless	No Standard	TIS, 257-2549	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak

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

[redacted]

Scientist (4)

Analysis / Test Report

TESTING
No.0042

Lot ID: 2547935
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311814-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547935-1
Sampled Date Jun 10, 2025 9:41 AM
Sample Description Wastewater
Contract ID L_CIE_002_2550 **Plot** B.I.G **Site** B.I.G. Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	30.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548065
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311903-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548065-1
Sampled Date Jun 12, 2025 2:44 PM
Sample Description Wastewater
Contract ID L_CIE_002_2555 **Plot** Z-68 **Site** BHN (THAILAND) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	87	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	94	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004

ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548056
Date Received : Jun 10, 2025
Date Reported : Jun 18, 2025
Report Number : 3311911-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548056-1
Sampled Date Jun 10, 2025 10:48 AM
Sample Description Wastewater
Contract ID L_CIE_003_2550 **Plot** B-5 **Site** Boncafe (Thailand) Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	37.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	27	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547946
Date Received : Jun 10, 2025
Date Reported : Jun 18, 2025
Report Number : 3311829-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547946-1
Sampled Date Jun 10, 2025 10:32 AM
Sample Description Wastewater
Contract ID L_CIE_009_2557 **Plot** B-04 **Site** Castool Tooling systems
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548007
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311939-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548007-1
Sampled Date Jun 12, 2025 10:36 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2564 **Plot** Z.34-Z.38 **Site** Celeraise (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547991
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311915-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547991-1
Sampled Date Jun 11, 2025 3:33 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2563 **Plot** D.13/1,D.13/3(A) **Site** Chonburi Clean Energy Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	101	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004 ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547979
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311873-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547979-1
Sampled Date Jun 12, 2025 2:28 PM
Sample Description Wastewater
Contract ID L_CIE_028_2550 **Plot** Z-48 **Site** Coil Tech Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547953
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311836-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547953-1
Sampled Date Jun 10, 2025 2:09 PM
Sample Description Wastewater
Contract ID L_CIE_004_2550 **Plot** E-5 **Site** Daifuku (Thailand) Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	139	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547987
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311884-1

Sample Number 2547987-1
Sampled Date Jun 12, 2025 2:54 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2562 **Plot** Z.67 **Site** DT Wiring Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547989
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311886-1

Sample Number 2547989-1
Sampled Date Jun 12, 2025 3:08 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2562 **Plot** Z.52 **Site** DTS Draexlmaier Automotive Systems (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	183	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547936
Date Received : Jun 11, 2025
Date Reported : Jun 17, 2025
Report Number : 3311815-1

Sample Number 2547936-1
Sampled Date Jun 11, 2025 9:25 AM
Sample Description Wastewater
Contract ID L_CIE_005_2550 **Plot** A-1 **Site** Dusholux (Siam) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547980
Date Received : Jun 12, 2025
Date Reported : Jun 19, 2025
Report Number : 3311874-1

Sample Number 2547980-1
Sampled Date Jun 12, 2025 2:35 PM
Sample Description Wastewater
Contract ID L_CIE_007_2550 **Plot** Z-49 **Site** EBRO Valves (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	70.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548001
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311933-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548001-1
Sampled Date Jun 11, 2025 11:21 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2564 **Plot** B6-A **Site** ENRX Limited
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548021
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311955-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548021-1
Sampled Date Jun 12, 2025 9:50 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2566 **Plot** Z-59E **Site** FES & RAYSOAR ELECTRONICS Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004 ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547986
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311883-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547986-1
Sampled Date Jun 12, 2025 10:01 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2562 **Plot** Z-59F **Site** FES International (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	45.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548010
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311942-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548010-1
Sampled Date Jun 12, 2025 9:59 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2565 **Plot** Z-59G **Site** FES International Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548008
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311940-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2548008-1
Sampled Date	Jun 12, 2025 3:03 PM
Sample Description	Wastewater
Contract ID	L_CIE_010_2558 **Plot** Z-66 **Site** Finixx Global Industry Co.,Ltd.
Date Analysis Commenced	Jun 12, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Colorless, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0004 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547962
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311856-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2547962-1
Sampled Date	Jun 10, 2025 10:56 AM
Sample Description	Wastewater
Contract ID	L_CIE_011_2558 **Plot** B-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Location	บริษัท ควอซาร์ เมดิคอล ไทยแลนด์
Date Analysis Commenced	Jun 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	83.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548019
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311952-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2548019-1
Sampled Date	Jun 10, 2025 3:03 PM
Sample Description	Wastewater
Contract ID	L_CIE_011_2557 **Plot** D-1 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Jun 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

Scientist (4) Senior Manager
ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547955
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311839-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number	2547955-1
Sampled Date	Jun 10, 2025 2:54 PM
Sample Description	Wastewater
Contract ID	L_CIE_010_2557 **Plot** D-2 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced	Jun 10, 2025
Condition of Sample	Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property	Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-จ-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-จ-0028 ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547958
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311851-1

Sample Number 2547958-1
Sampled Date Jun 10, 2025 2:34 PM
Sample Description Wastewater
Contract ID L_CIE_004_2558 **Plot** D-6 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	73.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ส-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548027
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311962-1

Sample Number 2548027-1
Sampled Date Jun 10, 2025 2:20 PM
Sample Description Wastewater
Contract ID L_CIE_013_2558 **Plot** D-7 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	44.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
- LOD : Limit of Detection
- "<" : 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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004

ทะเบียนเลขที่ ว-323-ส-0001

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547999
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311931-1

Sample Number 2547999-1
Sampled Date Jun 10, 2025 2:28 PM
Sample Description Wastewater
Contract ID L_CIE_014_2558 **Plot** D-8 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	25.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ส-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547971
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311865-1

Sample Number 2547971-1
Sampled Date Jun 12, 2025 10:18 AM
Sample Description Wastewater
Contract ID L_CIE_007_2556 **Plot** Z-13 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	28.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ส-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547973
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311867-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547973-1
Sampled Date Jun 12, 2025 10:12 AM
Sample Description Wastewater
Contract ID L_CIE_009_2556 **Plot** Z-16-17 **Site** FRASERS PROPERTY THAILAND INDUSTRIAL FREEHOLD & LEASEHOLD REIT
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, a lot of solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	39.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547995
Date Received : Jun 10, 2025
Date Reported : Jun 18, 2025
Report Number : 3311920-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547995-1
Sampled Date Jun 10, 2025 11:07 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_011_2563 **Plot** B-7 **Site** Glory Winner (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547954
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311838-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547954-1
Sampled Date Jun 12, 2025 2:17 PM
Sample Description Wastewater
Contract ID L_CIE_009_2550 **Plot** M-1 **Site** Glow IPP Co.,Ltd.
Location Office
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Orange, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	87.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547994
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311919-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547994-1
Sampled Date Jun 10, 2025 9:30 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_010_2563 **Plot** BC **Site** Hardware King Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548000

Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311932-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548000-1
Sampled Date Jun 11, 2025 11:07 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2564 **Plot** B-8 **Site** HI-Plus Import-Export Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

Remark :
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Technical Management [redacted]

Scientist (Z) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548068

Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311906-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548068-1
Sampled Date Jun 10, 2025 10:16 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	6.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	996	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004 ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0009

Lot ID: 2548068

Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311906-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548068-1
Sampled Date Jun 10, 2025 10:16 AM
Sample Description Wastewater
Contract ID L_CIE_011_2550 **Plot** B-1 **Site** Honey Well Electronic Materials (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.13	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ส-0002

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

Technical Management [redacted]

Section Head ทะเบียนเลขที่ ว-204-ส-0008
Assistant General Manager ทะเบียนเลขที่ ว-204-ส-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547997

Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311930-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547997-1
Sampled Date Jun 12, 2025 3:39 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_016_2563 **Plot** Z-63 **Site** Imanaka (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	101	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

Scientist (Z) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547940
Date Received : Jun 11, 2025
Date Reported : Jun 17, 2025
Report Number : 3311822-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547940-1
Sampled Date Jun 11, 2025 10:08 AM
Sample Description Wastewater
Contract ID L_CIE_012_2550 **Plot** A-7 **Site** In-Season Foods Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548064
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311900-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548064-1
Sampled Date Jun 11, 2025 3:53 PM
Sample Description Wastewater
Contract ID L_CIE_002_2558 **Plot** M-2 **Site** Inisee Ecocycle Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and a lot of turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	88.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	304	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	49	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004 ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548055
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311868-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548055-1
Sampled Date Jun 12, 2025 10:06 AM
Sample Description Wastewater
Contract ID L_CIE_002_2561 **Plot** Z.18 **Site** KIMSONG ARTIWOOD Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	<1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547981
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311875-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547981-1
Sampled Date Jun 12, 2025 9:27 AM
Sample Description Wastewater
Contract ID L_CIE_016_2557 **Plot** Z-59A **Site** Kintetsu Logistics (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547943
Date Received : Jun 11, 2025
Date Reported : Jun 17, 2025
Report Number : 3311825-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547943-1
Sampled Date Jun 11, 2025 10:43 AM
Sample Description Wastewater
Contract ID L_CIE_001_2556 **Plot** B-11C **Site** Kuriyama (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	60.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548066
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311904-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548066-1
Sampled Date Jun 11, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	548	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004

ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2548066
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311904-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548066-1
Sampled Date Jun 11, 2025 2:10 PM
Sample Description Wastewater
Contract ID L_CIE_020_2550 **Plot** Z-3 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	0.64	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

Remark :
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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ง-0007

Assistant General Manager
ทะเบียนเลขที่ ว-204-ง-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548067
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311905-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548067-1
Sampled Date Jun 11, 2025 2:25 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	404	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2548067
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311905-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548067-1
Sampled Date Jun 11, 2025 2:25 PM
Sample Description Wastewater
Contract ID L_CIE_021_2550 **Plot** Z-6 **Site** Kyoden (Thailand) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Copper	mg/L	0.0003	0.0005	1.05	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ฉ-0021 , Pattarapol Sawangjaitam หะเบียนเลขที่ ว-204-ฉ-0002

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

Technical Management [redacted]

Manager
หะเบียนเลขที่ ว-204-ฉ-0007

Technical Manager
หะเบียนเลขที่ ว-204-ฉ-0004

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547963
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311857-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547963-1
Sampled Date Jun 11, 2025 11:18 AM
Sample Description Wastewater
Contract ID L_CIE_013_2557 **Plot** B-68 **Site** Kyowa SS (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ฉ-0021

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

Technical Management [redacted]

หะเบียนเลขที่ ว-323-ฉ-0004

หะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547941
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311823-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547941-1
Sampled Date Jun 10, 2025 3:36 PM
Sample Description Wastewater
Contract ID L_CIE_001_2554 **Plot** A-S/1 **Site** Laem Chabang Tank Services Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (4)
หะเบียนเลขที่ ว-323-ฉ-0028

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547947
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311831-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547947-1
Sampled Date Jun 11, 2025 11:13 AM
Sample Description Wastewater
Contract ID L_CIE_001_2551 **Plot** B-7 **Site** Lungka Products Asia Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	52.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak หะเบียนเลขที่ ว-323-ฉ-0021

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Technical Management [redacted]

Scientist (2)
หะเบียนเลขที่ ว-323-ฉ-0004

Senior Manager
หะเบียนเลขที่ ว-323-ฉ-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548020
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311953-1

Sample Number 2548020-1
Sampled Date Jun 11, 2025 2:42 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2566 **Plot** F-14 **Site** MAX METAL INTERNATIONAL COMPANY LIMITED
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	53.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Client : WHA Utilities and Power Public Company Limited
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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547984
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311881-1

Sample Number 2547984-1
Sampled Date Jun 12, 2025 10:26 AM
Sample Description Wastewater
Contract ID L_CIE_001_2560 **Plot** Z.57 **Site** Muntons Ingredients (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004
ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547956
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311840-1

Sample Number 2547956-1
Sampled Date Jun 10, 2025 3:12 PM
Sample Description Wastewater
Contract ID L_CIE_012_2557 **Plot** C-2,3,4 **Site** Nakagawa Special Steel (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ส-0028
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548023
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311958-1

Sample Number 2548023-1
Sampled Date Jun 10, 2025 3:50 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_005_2566 **Plot** K2 **Site** NAMYONG TERMINAL PUBLIC COMPANY LIMITED
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	161	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548031
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311968-1

Sample Number 2548031-1
Sampled Date Jun 11, 2025 10:18 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2567 **Plot** A.9A, A.10 **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547960
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311853-1

Sample Number 2547960-1
Sampled Date Jun 11, 2025 10:21 AM
Sample Description Wastewater
Contract ID L_CIE_002_2560 **Plot** A-8A **Site** NBC Meshtec (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	63.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548009
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311941-1

Sample Number 2548009-1
Sampled Date Jun 11, 2025 10:47 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2565 **Plot** B-11D **Site** Nichiyu Asia (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547965
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311859-1

Sample Number 2547965-1
Sampled Date Jun 11, 2025 9:14 AM
Sample Description Wastewater
Contract ID L_CIE_006_2560 **Plot** K-1 **Site** Nikkei MC Aluminium Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	34.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING No.0042

Lot ID: 2547959

Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311852-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547959-1
Sampled Date Jun 10, 2025 3:27 PM
Sample Description Wastewater
Contract ID L_CIE_005_2558 **Plot** A-5/2 **Site** Nual Chavee Engineering Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING No.0042

Lot ID: 2548026

Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311961-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548026-1
Sampled Date Jun 11, 2025 11:24 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_008_2566 **Plot** B.6D **Site** Pegasus Corporation Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	34.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING No.0042

Lot ID: 2548029

Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311964-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548029-1
Sampled Date Jun 11, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_002_2567 **Plot** B.12A **Site** PRISM TELECOM ASIA LIMITED
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	41.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING No.0042

Lot ID: 2547952

Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311835-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547952-1
Sampled Date Jun 11, 2025 3:48 PM
Sample Description Wastewater
Contract ID L_CIE_014_2560 **Plot** D-12/2A **Site** S.O. TANK CLEANING TERMINAL Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	86.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547977
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311871-1

Sample Number 2547977-1
Sampled Date Jun 12, 2025 10:57 AM
Sample Description Wastewater
Contract ID L_CIE_010_2556 **Plot** Z-32 **Site** Sail Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	53.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548030
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311967-1

Sample Number 2548030-1
Sampled Date Jun 12, 2025 11:01 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2567 **Plot** Z.25, Z.26 **Site** SAIL INDUSTRY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004 ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547976
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311869-1

Sample Number 2547976-1
Sampled Date Jun 12, 2025 10:43 AM
Sample Description Wastewater
Contract ID L_CIE_032_2550 **Plot** Z-33 **Site** Sakura Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	67.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548058
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311887-1

Sample Number 2548058-1
Sampled Date Jun 10, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, some odour, a lot of solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	142	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	232	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Supharat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (4) ทะเบียนเลขที่ ว-323-ง-0028
Senior Manager ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548058
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311887-2

Sample Number 2548058-1
Sampled Date Jun 10, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, some odour, a lot of solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.004	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.39	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Section Head
ทะเบียนเลขที่ ว-204-ง-0008

Technical Manager
ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0009

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548058
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311887-3

Sample Number 2548058-1
Sampled Date Jun 10, 2025 11:20 AM
Sample Description Wastewater
Contract ID L_CIE_001_2555 **Plot** C-5,6 **Site** SANG CHAREON EASTERN GALVANIZE CO.,LTD
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, some odour, a lot of solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	1.34	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak , Pattarapol Sawangjaitam

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547970
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311864-1

Sample Number 2547970-1
Sampled Date Jun 11, 2025 2:37 PM
Sample Description Wastewater
Contract ID L_CIE_018_2557 **Plot** F-15 **Site** SET (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/l	-	3	<3	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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TESTING
No.0042

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547969
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311863-1

Sample Number 2547969-1
Sampled Date Jun 11, 2025 3:09 PM
Sample Description Wastewater
Contract ID L_CIE_017_2557 **Plot** F-10 **Site** Shinsei Koki (Thailand) Corporation Limited.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/l	-	3	4	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547945
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311828-1

Sample Number 2547945-1
Sampled Date Jun 10, 2025 10:25 AM
Sample Description Wastewater
Contract ID L_CIE_017_2550 **Plot** B-3 **Site** Shinwa Kogyo (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547949
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311833-1

Sample Number 2547949-1
Sampled Date Jun 11, 2025 1:22 PM
Sample Description Wastewater
Contract ID L_CIE_018_2550 **Plot** D-13/2 **Site** Siam Steel Mill Services Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Green, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	10.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004

ทะเบียนเลขที่ ว-323-ง-0001

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331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547944
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311827-1

Sample Number 2547944-1
Sampled Date Jun 11, 2025 10:38 AM
Sample Description Wastewater
Contract ID L_CIE_004_2557 **Plot** B-11A **Site** SPF (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	27.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547948
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311832-1

Sample Number 2547948-1
Sampled Date Jun 10, 2025 2:48 PM
Sample Description Wastewater
Contract ID L_CIE_019_2550 **Plot** D-4 **Site** Taisei Plas (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	49.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (4)
ทะเบียนเลขที่ ว-323-ง-0028

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547957
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311848-1

Sample Number 2547957-1
Sampled Date Jun 11, 2025 4:03 PM
Sample Description Wastewater
Contract ID L_CIE_003_2558 **Plot** M-3 **Site** Tayih Kenmos Auto Parts (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, some odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	105	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547975
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311972-1

Sample Number 2547975-1
Sampled Date Jun 10, 2025 2:40 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_001_2568 **Plot** D.5/1 **Site** TETAR TECHNOLOGY (THAILAND) COMPANY LIMITED
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	131	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

Remark :
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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0028
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2547951
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311834-1

Sample Number 2547951-1
Sampled Date Jun 11, 2025 1:39 PM
Sample Description Wastewater
Contract ID L_CIE_007_2558 **Plot** D-12/1A **Site** THAI ESCORP LTD.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	31.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548060
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311889-1

Sample Number 2548060-1
Sampled Date Jun 11, 2025 1:56 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	<250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	158	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-ง-0002

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

Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ง-0004
Senior Manager ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2548060
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311889-2

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548060-1
Sampled Date Jun 11, 2025 1:56 PM
Sample Description Wastewater
Contract ID L_CIE_001_2559 **Plot** D-9 **Site** Thai Huawei Battery Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.004	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021 , Pattarapol Sawangjairam ทะเบียนเลขที่ ว-204-ง-0002

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Technical Management [redacted]

Manager
ทะเบียนเลขที่ ว-204-ง-0007

ทะเบียนเลขที่ ว-204-ง-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2547968
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311862-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2547968-1
Sampled Date Jun 11, 2025 2:57 PM
Sample Description Wastewater
Contract ID L_CIE_001_2552 **Plot** F-12 **Site** Thai Instant Products Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Black, a lot of odour, solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	279	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ง-0004

ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548022
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311956-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548022-1
Sampled Date Jun 11, 2025 2:13 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_004_2566 **Plot** Z-60,261,261B **Site** THAI OUTDO POWER TECHNOLOGY Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Colorless, some odour, solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Lot ID: 2548017
Date Received : Jun 10, 2025
Date Reported : Jun 17, 2025
Report Number : 3311949-1

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Sample Number 2548017-1
Sampled Date Jun 10, 2025 11:31 AM
Sample Description Wastewater
Contract ID L_CIE_011_2560 **Plot** E.6 **Site** Thai Rung Union Car Public Co.,Ltd.
Date Analysis Commenced Jun 10, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	83.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *		-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ง-0021

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Technical Management [redacted]

Scientist (2)
ทะเบียนเลขที่ ว-323-ง-0004

Senior Manager
ทะเบียนเลขที่ ว-323-ง-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548002
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311934-1

Sample Number 2548002-1
Sampled Date Jun 12, 2025 3:46 PM
Sample Description Wastewater
Contract ID L_WHA CIE1_003_2564 **Plot** Z-62 **Site** Thai Wp Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	59.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548025
Date Received : Jun 12, 2025
Date Reported : Jun 18, 2025
Report Number : 3311960-1

Sample Number 2548025-1
Sampled Date Jun 12, 2025 10:48 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_007_2566 **Plot** Z.21 **Site** TOOLS INTERNATIONAL (THAILAND) Co.,Ltd.
Date Analysis Commenced Jun 12, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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Technical Management [redacted]

Scientist (2) ทะเบียนเลขที่ ว-323-ส-0004
Senior Manager ทะเบียนเลขที่ ว-323-ส-0001

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Analysis / Test Report

TESTING
No.0042

Client : WHA Utilities and Power Public Company Limited
331/8-9 Moo 6, High Way No.331 Road, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Factory I Monthly
Project Location: WHA CIE 1

Lot ID: 2548015
Date Received : Jun 11, 2025
Date Reported : Jun 18, 2025
Report Number : 3311948-1

Sample Number 2548015-1
Sampled Date Jun 11, 2025 10:51 AM
Sample Description Wastewater
Contract ID L_WHA CIE1_006_2565 **Plot** B-10C **Site** V-SACHET Co.,Ltd.
Date Analysis Commenced Jun 11, 2025
Condition of Sample Contained in one amber glass bottle and one plastic bottle. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)
Physical Property Yellow, a lot of odour, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH (on site) *	-	-	-	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)	Rayong

Guideline : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.
Sampling By : Suphanat Sakulkittimasak ทะเบียนเลขที่ ว-323-ส-0021

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

Technical Management [redacted]

ทะเบียนเลขที่ ว-323-ส-0004 ทะเบียนเลขที่ ว-323-ส-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ภาคผนวก ค-5

ระดับเสียงโดยทั่วไป

Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Monitoring
Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245658-1

Sample Number	2513805-2
Parameter	Noise (Leq 24hrs)
Location	บริเวณริมรั้วนิคมฯ 0726905E 1443663N
Measurement Date	Feb 15 - Feb 16, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.6	85.5	59.5
11:00 AM - 12:00 PM	64.2	79.7	60.3
12:00 PM - 01:00 PM	64.9	91.5	60.3
01:00 PM - 02:00 PM	64.8	84.1	60.9
02:00 PM - 03:00 PM	64.5	84.7	59.8
03:00 PM - 04:00 PM	62.7	79.6	58.1
04:00 PM - 05:00 PM	61.7	80.7	54.1
05:00 PM - 06:00 PM	60.5	78.4	51.6
06:00 PM - 07:00 PM	64.0	84.2	59.3
07:00 PM - 08:00 PM	62.2	79.1	57.6
08:00 PM - 09:00 PM	61.2	80.2	53.6
09:00 PM - 10:00 PM	60.0	77.9	51.1
10:00 PM - 11:00 PM	58.4	80.3	48.3
11:00 PM - 12:00 AM	58.0	75.6	46.9
12:00 AM - 01:00 AM	57.0	77.6	44.9
01:00 AM - 02:00 AM	57.6	75.1	46.3
02:00 AM - 03:00 AM	58.3	75.9	48.9
03:00 AM - 04:00 AM	64.5	89.0	53.3
04:00 AM - 05:00 AM	66.3	88.3	59.6
05:00 AM - 06:00 AM	68.1	79.4	62.6
06:00 AM - 07:00 AM	60.1	74.9	56.0
07:00 AM - 08:00 AM	59.4	79.0	55.2
08:00 AM - 09:00 AM	60.2	78.3	56.3
09:00 AM - 10:00 AM	61.2	79.6	57.0
Leq Average 24 hrs. (dB(A))	62.8		
Lmax (dB(A))		91.5	
L90 (dB(A))			56.0
Ldn (dB(A))	69.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Supot Salamten
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company
Life Sciences www.alsglobal.com
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Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Monitoring
Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245657-1

Sample Number	2513805-1
Parameter	Noise (Leq 24hrs)
Location	บริเวณริมรั้วนิคมฯ 0726905E 1443663N
Measurement Date	Feb 14 - Feb 15, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	62.9	77.7	58.8
11:00 AM - 12:00 PM	62.2	81.8	58.0
12:00 PM - 01:00 PM	63.0	81.1	59.1
01:00 PM - 02:00 PM	64.0	82.4	59.8
02:00 PM - 03:00 PM	64.3	86.2	60.2
03:00 PM - 04:00 PM	64.9	80.4	61.0
04:00 PM - 05:00 PM	65.6	92.2	61.0
05:00 PM - 06:00 PM	65.5	84.8	61.6
06:00 PM - 07:00 PM	65.2	85.4	60.5
07:00 PM - 08:00 PM	63.4	80.3	58.8
08:00 PM - 09:00 PM	62.4	81.4	54.8
09:00 PM - 10:00 PM	61.2	79.1	52.3
10:00 PM - 11:00 PM	59.6	81.5	49.5
11:00 PM - 12:00 AM	59.2	76.8	48.1
12:00 AM - 01:00 AM	58.2	78.8	46.1
01:00 AM - 02:00 AM	58.8	76.3	47.5
02:00 AM - 03:00 AM	59.5	77.1	50.1
03:00 AM - 04:00 AM	65.7	90.2	54.5
04:00 AM - 05:00 AM	67.5	89.5	60.8
05:00 AM - 06:00 AM	69.3	80.6	63.8
06:00 AM - 07:00 AM	62.2	77.0	58.1
07:00 AM - 08:00 AM	61.5	81.1	57.3
08:00 AM - 09:00 AM	62.3	80.4	58.4
09:00 AM - 10:00 AM	63.3	81.7	59.1
Leq Average 24 hrs. (dB(A))	63.9		
Lmax (dB(A))		92.2	
L90 (dB(A))			58.4
Ldn (dB(A))	70.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230

P/O :

Project Name : Monitoring

Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245660-1

Sample Number	2513805-4
Parameter	Noise (Leq 24hrs)
Location	บริเวณชุมชนบ้านยางเอน 0724553E 1448947N
Measurement Date	Feb 14 - Feb 15, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	62.8	90.5	44.7
02:00 PM - 03:00 PM	54.6	72.2	47.5
03:00 PM - 04:00 PM	56.3	77.0	47.1
04:00 PM - 05:00 PM	56.2	80.0	45.3
05:00 PM - 06:00 PM	60.0	83.9	46.8
06:00 PM - 07:00 PM	57.6	78.7	45.7
07:00 PM - 08:00 PM	55.9	76.1	46.9
08:00 PM - 09:00 PM	60.3	83.9	50.1
09:00 PM - 10:00 PM	53.3	74.3	43.5
10:00 PM - 11:00 PM	62.4	92.3	41.9
11:00 PM - 12:00 AM	51.0	72.5	43.5
12:00 AM - 01:00 AM	69.6	96.9	44.5
01:00 AM - 02:00 AM	49.9	78.0	43.1
02:00 AM - 03:00 AM	46.9	71.2	41.2
03:00 AM - 04:00 AM	44.3	65.9	38.4
04:00 AM - 05:00 AM	50.7	75.8	43.8
05:00 AM - 06:00 AM	51.1	67.1	47.1
06:00 AM - 07:00 AM	59.2	80.1	50.0
07:00 AM - 08:00 AM	60.4	89.0	51.9
08:00 AM - 09:00 AM	60.9	83.9	49.0
09:00 AM - 10:00 AM	55.6	88.7	46.4
10:00 AM - 11:00 AM	56.4	82.4	45.5
11:00 AM - 12:00 PM	58.2	78.2	45.8
12:00 PM - 01:00 PM	53.7	86.0	44.2
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		96.9	
L90 (dB(A))			45.5
Ldn (dB(A))	67.4		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230

P/O :

Project Name : Monitoring

Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245659-1

Sample Number	2513805-3
Parameter	Noise (Leq 24hrs)
Location	บริเวณริมรั้วนิคมฯ 0726905E 1443663N
Measurement Date	Feb 16 - Feb 17, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122567

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	61.5	83.4	57.4
11:00 AM - 12:00 PM	62.1	77.6	58.2
12:00 PM - 01:00 PM	62.8	89.4	58.2
01:00 PM - 02:00 PM	62.7	82.0	58.8
02:00 PM - 03:00 PM	62.4	82.6	57.7
03:00 PM - 04:00 PM	60.6	77.5	56.0
04:00 PM - 05:00 PM	59.6	78.6	52.0
05:00 PM - 06:00 PM	58.4	76.3	49.5
06:00 PM - 07:00 PM	61.9	82.1	57.2
07:00 PM - 08:00 PM	60.1	77.0	55.5
08:00 PM - 09:00 PM	59.1	78.1	51.5
09:00 PM - 10:00 PM	57.9	75.8	49.0
10:00 PM - 11:00 PM	56.3	78.2	46.2
11:00 PM - 12:00 AM	57.1	74.7	46.0
12:00 AM - 01:00 AM	56.1	76.7	44.0
01:00 AM - 02:00 AM	56.7	74.2	45.4
02:00 AM - 03:00 AM	57.4	75.0	48.0
03:00 AM - 04:00 AM	63.6	88.1	52.4
04:00 AM - 05:00 AM	65.4	87.4	58.7
05:00 AM - 06:00 AM	67.2	78.5	61.7
06:00 AM - 07:00 AM	59.2	74.0	55.1
07:00 AM - 08:00 AM	58.5	78.1	54.3
08:00 AM - 09:00 AM	59.3	77.4	55.4
09:00 AM - 10:00 AM	60.3	78.7	56.1
Leq Average 24 hrs. (dB(A))	61.3		
Lmax (dB(A))		89.4	
L90 (dB(A))			55.1
Ldn (dB(A))	68.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

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

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Monitoring
Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245662-1

Sample Number	2513805-6
Parameter	Noise (Leq 24hrs)
Location	บริเวณชุมชนบ้านยางเอน 0724553E 1448947N
Measurement Date	Feb 16 - Feb 17, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	56.0	74.9	45.1
02:00 PM - 03:00 PM	55.4	77.3	46.6
03:00 PM - 04:00 PM	58.5	80.8	47.0
04:00 PM - 05:00 PM	57.7	89.5	45.1
05:00 PM - 06:00 PM	58.5	87.7	46.6
06:00 PM - 07:00 PM	55.9	78.1	45.8
07:00 PM - 08:00 PM	66.7	94.7	45.8
08:00 PM - 09:00 PM	56.8	90.3	45.3
09:00 PM - 10:00 PM	52.5	72.0	45.3
10:00 PM - 11:00 PM	66.8	93.8	45.3
11:00 PM - 12:00 AM	52.8	83.1	43.7
12:00 AM - 01:00 AM	48.6	73.2	43.2
01:00 AM - 02:00 AM	57.7	85.3	42.4
02:00 AM - 03:00 AM	50.2	75.2	40.4
03:00 AM - 04:00 AM	67.4	93.0	39.7
04:00 AM - 05:00 AM	51.9	54.7	49.4
05:00 AM - 06:00 AM	53.9	81.0	42.2
06:00 AM - 07:00 AM	62.3	84.3	48.4
07:00 AM - 08:00 AM	60.3	83.9	52.3
08:00 AM - 09:00 AM	58.4	86.1	47.1
09:00 AM - 10:00 AM	54.8	76.5	46.8
10:00 AM - 11:00 AM	59.4	80.7	46.2
11:00 AM - 12:00 PM	57.5	79.7	45.0
12:00 PM - 01:00 PM	58.0	80.2	44.4
Leq Average 24 hrs. (dB(A))	60.3		
Lmax (dB(A))		94.7	
L90 (dB(A))			45.3
Ldn (dB(A))	67.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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Analysis / Test Report

TESTING
No.0042

Client : WHA Industrial Development Public Company Limited
331/8-9 Moo 2, High Way 331 Road., KM 91-92, Tambol Bowin, Amphur Sriracha, Chonburi
Thailand 20230
P/O :
Project Name : Monitoring
Project Location : WHA CIE 1

Lot ID: 2513805
Date Received : Feb 24, 2025
Date Reported : Feb 27, 2025
Report Number: 3245661-1

Sample Number	2513805-5
Parameter	Noise (Leq 24hrs)
Location	บริเวณชุมชนบ้านยางเอน 0724553E 1448947N
Measurement Date	Feb 15 - Feb 16, 2025
Measurement by	Anurak Tongkhajonsakda
Sound Level meter	Serial No. 1122578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	56.2	93.0	45.4
02:00 PM - 03:00 PM	53.2	72.6	45.1
03:00 PM - 04:00 PM	58.2	82.5	46.8
04:00 PM - 05:00 PM	55.8	74.7	47.1
05:00 PM - 06:00 PM	56.8	88.6	46.3
06:00 PM - 07:00 PM	56.8	78.5	45.9
07:00 PM - 08:00 PM	57.5	79.8	47.8
08:00 PM - 09:00 PM	55.5	78.7	48.3
09:00 PM - 10:00 PM	54.0	80.5	48.0
10:00 PM - 11:00 PM	67.7	95.0	42.5
11:00 PM - 12:00 AM	48.7	82.6	40.7
12:00 AM - 01:00 AM	47.3	72.7	39.9
01:00 AM - 02:00 AM	65.4	91.4	41.0
02:00 AM - 03:00 AM	50.5	82.5	41.5
03:00 AM - 04:00 AM	48.3	76.7	42.4
04:00 AM - 05:00 AM	50.9	75.9	43.2
05:00 AM - 06:00 AM	51.6	77.2	45.3
06:00 AM - 07:00 AM	59.6	82.6	48.3
07:00 AM - 08:00 AM	59.6	84.7	52.0
08:00 AM - 09:00 AM	60.4	80.5	51.6
09:00 AM - 10:00 AM	57.8	82.6	48.0
10:00 AM - 11:00 AM	58.0	86.9	47.2
11:00 AM - 12:00 PM	55.8	78.2	44.3
12:00 PM - 01:00 PM	58.2	85.4	45.3
Leq Average 24 hrs. (dB(A))	59.0		
Lmax (dB(A))		95.0	
L90 (dB(A))			45.4
Ldn (dB(A))	66.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management [redacted]
Scientist (3)

Approved by [redacted]
Section Head

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