ภาคผนวก ค-6

คุณภาพน้ำทิ้ง (โรงงานอุตสาหกรรม)

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150312
Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2520952-1

Sample Number 22:503.2-1
Sampled Date Jan 09, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_001_2554 **Plot** 1 **Site** Air Liquide (Thailand) Co.Ltd.
Date Analysis Commenced Jan 10, 2023
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	7.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	59	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Ronnasit Kamal พนักงานเจ้าหน้าที่ 1-204-น-541 |
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150445
Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521849-1

Sample Number 22:50445-1
Sampled Date Jan 04, 2023 1:12 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_004_2560 **Plot** 46,84 **Site** D-HAPPENKING COMPANY LIMITED
Date Analysis Commenced Jan 05, 2023
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	2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	19	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	25.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlor พนักงานเจ้าหน้าที่ 1-204-น-757
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150387
Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2520960-1

Sample Number 22:50387-1
Sampled Date Jan 09, 2023 11:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_003_2554 **Plot** 54 **Site** D-Rubber Products Co.Ltd.
Date Analysis Commenced Jan 10, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)
Physical Property Grey, 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	6.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	33	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Suttha พนักงานเจ้าหน้าที่ 1-204-น-861 |
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150388
Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2520964-1

Sample Number 22:50388-1
Sampled Date Jan 11, 2023 11:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_004_2554 **Plot** 39 **Site** DSG International (Thailand) PLC
Date Analysis Commenced Jan 12, 2023
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 solid, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	<5	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk พนักงานเจ้าหน้าที่ 1-204-น-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150409
Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2521646-1

Sample Number 22:50409-1
Sampled Date Jan 11, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_031_2555 **Plot** 148 **Site** FTN (Saraburi) Co.,Ltd
Date Analysis Commenced Jan 12, 2023
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	5.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	53	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk พนักงานเจ้าหน้าที่ 1-204-น-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150389
Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2520967-1

Sample Number 22:50389-1
Sampled Date Jan 11, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_005_2554 **Plot** 77,78 **Site** Fujikoki Corporation
Date Analysis Commenced Jan 12, 2023
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	31	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk พนักงานเจ้าหน้าที่ 1-204-น-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150390
Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2520968-1

Sample Number 22:50390-1
Sampled Date Jan 04, 2023 10:16 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_006_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 1
Date Analysis Commenced Jan 05, 2023
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	3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	39	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlor พนักงานเจ้าหน้าที่ 1-204-น-757
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150391
Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2520969-1

Sample Number 22:50391-1
Sampled Date Jan 04, 2023 10:21 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_007_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 2
Date Analysis Commenced Jan 05, 2023
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	3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlor พนักงานเจ้าหน้าที่ 1-204-น-757
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 22150392
Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2520973-1

Sample Number 22:50392-1
Sampled Date Jan 04, 2023 10:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_008_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 3
Date Analysis Commenced Jan 05, 2023
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	139	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	424	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlor พนักงานเจ้าหน้าที่ 1-204-น-757
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: Siriluk P. — Siriluk Puangpang, Supervisor, พนักงานเจ้าหน้าที่ 1-204-น-4720
Approved by: Karoklom Anek — Karoklom Anek, Senior Manager, พนักงานเจ้าหน้าที่ 1-204-น-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 22150468

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2521906-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150468-1
Sampled Date	Jan 09, 2023 10:25 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced	Jan 10, 2023
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							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangpa
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	39	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	28.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1452	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpa
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, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Suttha หมดอายุวันที่ 1-204-v-4614

Technical Management: Sawitree N, Sawitree Nosangam, Manager, หมดอายุวันที่ 1-204-v-4709
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150468

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2521906-2

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

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: Sawitree N, Sawitree Nosangam, Manager, หมดอายุวันที่ 1-204-v-4709
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

Lot ID: 22150468

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2521906-2

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150468-1
Sampled Date	Jan 09, 2023 10:25 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced	Jan 11, 2023
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							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2088	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By :

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

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Technical Management: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Siriluk P, Siriluk Pungpang, Supervisor

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150488

Date Received : Jan 11, 2023
Date Reported : Jan 16, 2023
Report Number : 2521930-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150488-1
Sampled Date	Jan 11, 2023 1:40 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_004_2562 **Plot** 13 **Site** Gulf NPM Co.,Ltd.
Date Analysis Commenced	Jan 12, 2023
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	3.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	31	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	27.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpa
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, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-v-7107

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: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150486

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521928-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150486-1
Sampled Date	Jan 04, 2023 8:47 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_032_2556 **Plot** 149 **Site** Hygrote (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced	Jan 05, 2023
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	<2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	7	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	5.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	25.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1256	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpa
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, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlaor หมดอายุวันที่ 1-204-v-7517

Remark :
LOD : Limit of Detection
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Technical Management: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150487

Date Received : Jan 11, 2023
Date Reported : Jan 16, 2023
Report Number : 2521930-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150487-1
Sampled Date	Jan 11, 2023 10:30 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_032_2556 **Plot** 149 **Site** Hygrote (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced	Jan 12, 2023
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, odourless, 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	2.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	16	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	28.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpa
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, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-v-7107

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: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150416

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521673-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150416-1
Sampled Date	Jan 04, 2023 11:35 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_042_2556 **Plot** 64 **Site** IDEC Asia (Thailand) Co.Ltd
Date Analysis Commenced	Jan 05, 2023
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	30	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	124	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	28.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
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, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlaor หมดอายุวันที่ 1-204-v-7517

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: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150457

Date Received : Jan 11, 2023
Date Reported : Jan 16, 2023
Report Number : 2521936-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150457-1
Sampled Date	Jan 11, 2023 2:00 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_003_2565 **Plot** 139-140 **Site** Innolight Technology (Thailand) Co.,Ltd
Date Analysis Commenced	Jan 12, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	112	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	377	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	120	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-v-7107

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: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150393

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2520969-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	22150393-1
Sampled Date	Jan 11, 2023 9:35 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_009_2554 **Plot** 43,44 **Site** JCY I-DD Technology Co.,Ltd.
Date Analysis Commenced	Jan 12, 2023
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	17.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpa
COD	mg/L	1.5	5	119	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpa
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpa
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpa
Temperature *	Degree C	-	-	29.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpa
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	56	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpa

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-v-7107

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: Siriluk P, Siriluk Pungpang, Supervisor, หมดอายุวันที่ 1-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150410

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252;653-1

Page 1 of 1

Sample Number : 22;50410-1
Sampled Date : Jan 11, 2023 11:25 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_034_2556 Plot :162/1 Site : Johnan F. Tech (Thailand) Co.,Ltd.
Date Analysis Commenced : Jan 12, 2023
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	116	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	266	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	86	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150394

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252;066-1

Page 1 of 1

Sample Number : 22;50394-1
Sampled Date : Jan 11, 2023 11:10 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_010_2556 Plot :46 Site : Knauf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced : Jan 12, 2023
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, odourless, 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	3.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150400

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 252;620-1

Page 1 of 1

Sample Number : 22;50400-1
Sampled Date : Jan 12, 2023 10:10 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_018_2554 Plot :18,82,40 Site : Maxior Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced : Jan 13, 2023
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	5.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	80	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	37.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
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, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150408

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 252;044-1

Page 1 of 1

Sample Number : 22;50408-1
Sampled Date : Jan 09, 2023 11:15 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_011_2554 Plot :65 Site : Michelin RCH Co.,Ltd.
Date Analysis Commenced : Jan 10, 2023
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	30.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	153	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Sutha พะเยียนพลี 1-204-1-8614
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150396

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 252;060-1

Page 1 of 1

Sample Number : 22;50396-1
Sampled Date : Jan 13, 2023 10:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_013_2554 Plot :5,83,92 Site : Michelin Siam Co.,Ltd.
Date Analysis Commenced : Jan 14, 2023
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	12.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	74	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
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, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150444

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 252;044-1

Page 1 of 1

Sample Number : 22;50444-1
Sampled Date : Jan 13, 2023 10:55 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_002_2560 Plot :17 Site : Michelin Siam Co.,Ltd.
Date Analysis Commenced : Jan 14, 2023
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	104	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	333	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	110	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150427

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 252;751-1

Page 1 of 1

Sample Number : 22;50427-1
Sampled Date : Jan 12, 2023 9:45 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_062_2556 Plot :136/1 Site : Miyago Industry (Thailand) Co.,Ltd.
Date Analysis Commenced : Jan 13, 2023
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	5.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
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, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150422

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252;763-1

Page 1 of 1

Sample Number : 22;50422-1
Sampled Date : Jan 11, 2023 11:20 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_048_2556 Plot :160,161,162,186,1 68 Site : Huso (Thailand) Co.,Ltd.
Date Analysis Commenced : Jan 12, 2023
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	39.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	127	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150459

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 252;945-1

Page 1 of 1

Sample Number : 22;50459-1
Sampled Date : Jan 04, 2023 10:00 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_005_2565 Plot :6 Site : Navaplastic Industries Co.,Ltd.
Date Analysis Commenced : Jan 05, 2023
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	78	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	252	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017. part 2550 B	Bangkok
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, 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk พะเยียนพลี 1-204-1-7107
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: Siriluk P. — Siriluk Puangjang, Supervisor, พะเยียนพลี 1-204-1-4720
Approved by: Karnkakorn Anek, Senior Manager, พะเยียนพลี 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150423

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 2521705-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150423-1
Sampled Date Jan 06, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_033_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.,Ltd.
Date Analysis Commenced Jan 07, 2023
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	<2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	24	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	25.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowloar พะเยียนงานที่ ว-204-ท-7517

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: Nann Saiseng, Supervisor, พะเยียนงานที่ ว-204-ท-4715
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150460

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2521945-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150460-1
Sampled Date Jan 05, 2023 11:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2565 **Plot** 68 **Site** Nihonichi Food (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 10, 2023
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. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	20	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Suttha พะเยียนงานที่ ว-204-ท-8614

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: Siriluk P, Supervisor, พะเยียนงานที่ ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150428

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 2521737-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150428-1
Sampled Date Jan 06, 2023 11:13 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_063_2556 **Plot** 93C **Site** Nilon (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 07, 2023
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	81	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	189	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	47	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowloar พะเยียนงานที่ ว-204-ท-7517

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: Nann Saiseng, Supervisor, พะเยียนงานที่ ว-204-ท-4715
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150413

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521663-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150413-1
Sampled Date Jan 04, 2023 1:20 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_040_2556 **Plot** 21 **Site** Nontake SA (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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	33	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	139	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowloar พะเยียนงานที่ ว-204-ท-7517

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: Siriluk P, Supervisor, พะเยียนงานที่ ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150482

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 2521923-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150482-1
Sampled Date Jan 12, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_019_2554 **Plot** 20 **Site** Nontake SCG Plaster Co.,Ltd.
Date Analysis Commenced Jan 13, 2023
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	6.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	79	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	576	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พะเยียนงานที่ ว-204-ท-7107

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: Siriluk P, Supervisor, พะเยียนงานที่ ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150447

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 2521860-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150447-1
Sampled Date Jan 06, 2023 1:21 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_008_2560 **Plot** 142/4 **Site** NK SHOJI (THAILAND) CO.,LTD.
Date Analysis Commenced Jan 07, 2023
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	85	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	278	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	64	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowloar พะเยียนงานที่ ว-204-ท-7517

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: Nann Saiseng, Supervisor, พะเยียนงานที่ ว-204-ท-4715
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150466

Date Received : Jan 04, 2023
Date Reported : Jan 12, 2023
Report Number : 2521904-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150466-1
Sampled Date Jan 04, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_053_2554 **Plot** 36 **Site** Ready Clean Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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, odourless, no solid and some solid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	25.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พะเยียนงานที่ ว-204-ท-7167

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: Siriluk P, Supervisor, พะเยียนงานที่ ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150466

Date Received : Jan 04, 2023
Date Reported : Jan 12, 2023
Report Number : 2521904-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150466-1
Sampled Date Jan 04, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_053_2554 **Plot** 36 **Site** Ready Clean Co.,Ltd.
Date Analysis Commenced Jan 06, 2023
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, odourless, no solid and some solid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Anionic Surfactant as MBAS	mg/L	0.015	0.05	0.13	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5540 B, C	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By :

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

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Approved by: Siriluk P, Supervisor

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150414

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521664-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150414-1
Sampled Date Jan 04, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (:#)
Date Analysis Commenced Jan 05, 2023
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	10	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	116	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowloar พะเยียนงานที่ ว-204-ท-7517

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: Siriluk P, Supervisor, พะเยียนงานที่ ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, พะเยียนงานที่ ว-204-ท-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150415

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 232.668-1

Page 1 of 1

Sample Number 22.50415-1
Sampled Date Jan 11, 2023 9.50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced Jan 12, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	29.1	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	173	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หมดอายุที่ 1-204-s-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150421

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 03, 2023
Date Reported : Jan 10, 2023
Report Number : 232.699-1

Page 1 of 1

Sample Number 22.50421-1
Sampled Date Jan 03, 2023 10.50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_047_2556 **Plot** 138 **Site** Rohm Mechatech (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 04, 2023
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	39	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	128	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	36.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หมดอายุที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"<" : 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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150443

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 232.836-1

Page 1 of 1

Sample Number 22.50443-1
Sampled Date Jan 06, 2023 10.43 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2560 **Plot** 91 **Site** SCG Ceramics Co.,Ltd.
Date Analysis Commenced Jan 07, 2023
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	2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	16	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	26.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khwlaor หมดอายุที่ 1-204-s-7517

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: Nam Saneng, Supervisor, หมดอายุที่ 1-204-s-4713
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150386

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 232.675-1

Page 1 of 1

Sample Number 22.50386-1
Sampled Date Jan 04, 2023 10.20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_002_2554 **Plot** 10,11 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced Jan 05, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	33	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	28.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หมดอายุที่ 1-204-s-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150405

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 232.633-1

Page 1 of 1

Sample Number 22.50405-1
Sampled Date Jan 06, 2023 10.35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_025_2554 **Plot** 19,41 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced Jan 07, 2023
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	58	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	212	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	27.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khwlaor หมดอายุที่ 1-204-s-7517

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: Nam Saneng, Supervisor, หมดอายุที่ 1-204-s-4713
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 22150397

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 232.601-1

Page 1 of 1

Sample Number 22.50397-1
Sampled Date Jan 04, 2023 11.10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_015_2556 **Plot** 61,62 **Site** SEKI Corp.(Thailand) Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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	13	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	67	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	27.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khwlaor หมดอายุที่ 1-204-s-7517

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 22150425

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 232.715-1

Page 1 of 1

Sample Number 22.50425-1
Sampled Date Jan 04, 2023 11.22 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_057_2556 **Plot** 66 **Site** Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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, 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	3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	15	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	34.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khwlaor หมดอายุที่ 1-204-s-7517

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 22150418

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 232.681-1

Page 1 of 1

Sample Number 22.50418-1
Sampled Date Jan 13, 2023 10.10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_071_2557 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Part 1
Date Analysis Commenced Jan 14, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	12	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	27.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
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. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Suttra หมดอายุที่ 1-204-s-8614

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150419

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 232.683-1

Page 1 of 1

Sample Number 22.50419-1
Sampled Date Jan 13, 2023 10.20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_071_2557 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Part 2
Date Analysis Commenced Jan 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	1.5	5	14	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease: *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature: *	Degree C	-	-	27.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หมดอายุที่ 1-204-s-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุที่ 1-204-s-4720
Approved by: Karnakorn Anek, Senior Manager, หมดอายุที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150429

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 2521739-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150429-1
Sampled Date Jan 06, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_068_2557 **Plot** 59 **Site** Shibaikawa (Thailand) Co.,Ltd.
Location Point 2
Date Analysis Commenced Jan 10, 2023
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 bit 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	17.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	120	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Suttha หน้างานเขต 1-204-4-8614

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150435

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 2521802-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150435-1
Sampled Date Jan 11, 2023 10:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_081_2557 **Plot** 150 **Site** Shinertech (WCT Co.,Ltd.)
Date Analysis Commenced Jan 12, 2023
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	3.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	44	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	89	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150473

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521908-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150473-1
Sampled Date Jan 04, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_052_2554 **Plot** 8 **Site** Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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	13	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	115	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Formaldehyde *	mg/L	0.03	0.1	Not Detected	≤1	Wastewater Analysis	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150479

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 2521914-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150479-1
Sampled Date Jan 13, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd. (2nd)
Date Analysis Commenced Jan 14, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	8	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1896	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150479

Date Received : Jan 13, 2023
Date Reported : Jan 18, 2023
Report Number : 2521914-2

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150479-1
Sampled Date Jan 13, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd. (2nd)
Date Analysis Commenced Jan 16, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.01	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Sawitree N. — Sawitree Nawangam, Manager, หน้างานเขต 1-204-4-4709
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150474

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521913-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150474-1
Sampled Date Jan 04, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd.(1st)
Date Analysis Commenced Jan 05, 2023
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							
Lead	mg/L	0.0003	0.0005	0.02	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2	2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	16	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1504	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N. — Sawitree Nawangam, Manager, หน้างานเขต 1-204-4-4709
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150474

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521913-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sampling By : Jranet Khoolaor หน้างานเขต 1-204-4-7517

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: Sawitree N. — Sawitree Nawangam, Manager, หน้างานเขต 1-204-4-4709
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150450

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 2521879-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150450-1
Sampled Date Jan 13, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_010_2560 **Plot** 31 **Site** Siam Furukawa Co.,Ltd.
Date Analysis Commenced Jan 13, 2023
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 bit 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	14.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	110	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150398

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 2521863-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 22150398-1
Sampled Date Jan 04, 2023 11:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_014_2554 **Plot** 9,15 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Jan 05, 2023
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	18	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	69	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน้างานเขต 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต 1-204-4-4720
Approved by: Karnkokorn Anek, Senior Manager, หน้างานเขต 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150399

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252/606-1

Page 1 of 1

Sample Number 22150399-1
Sampled Date Jan 11, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_017_2554 Plot 42,75,98 Site Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Jan 13, 2023
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	16.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	106	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-1-7127
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150453

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 252/889-1

Page 1 of 1

Sample Number 22150453-1
Sampled Date Jan 04, 2023 11:47 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2562 Plot 63 Site Siam Hiramanuki Co.,Ltd.
Location (site 59)
Date Analysis Commenced Jan 05, 2023
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	107	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	259	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	46	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khonkaor หมดอายุวันที่ 1-204-1-7517
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150401

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 252/622-1

Page 1 of 1

Sample Number 22150401-1
Sampled Date Jan 09, 2023 1:11 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_020_2554 Plot 74 Site Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced Jan 10, 2023
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, 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	6.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	35	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nonnapat Komal หมดอายุวันที่ 1-204-1-5411
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150404

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 252/631-1

Page 1 of 1

Sample Number 22150404-1
Sampled Date Jan 12, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_024_2554 Plot 23 Site Thai Beverage Can Co.,Ltd.
Location Point 2
Date Analysis Commenced Jan 13, 2023
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, odourless, 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	4.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	37	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-1-7127
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150449

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 06, 2023
Date Reported : Jan 13, 2023
Report Number : 252/877-1

Page 1 of 1

Sample Number 22150449-1
Sampled Date Jan 06, 2023 10:13 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_036_2556 Plot 133 Site Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced Jan 07, 2023
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	143	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	440	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	46	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khonkaor หมดอายุวันที่ 1-204-1-7517
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: Nam Saeang — Nam Saeang, Supervisor, หมดอายุวันที่ 1-204-1-4713
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150424

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 252/871-1

Page 1 of 1

Sample Number 22150424-1
Sampled Date Jan 12, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_036_2556 Plot 133 Site Thai Inaba Foods (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced Jan 13, 2023
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	162	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	467	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-1-7127
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150407

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 04, 2023
Date Reported : Jan 11, 2023
Report Number : 252/840-1

Page 1 of 1

Sample Number 22150407-1
Sampled Date Jan 04, 2023 1:25 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_026_2554 Plot 37,38 Site Thai Malaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 05, 2023
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	25	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	142	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khonkaor หมดอายุวันที่ 1-204-1-7517
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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TESTING No.0009

Lot ID: 22150440

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 11, 2023
Date Reported : Jan 20, 2023
Report Number : 252/821-1

Page 1 of 1

Sample Number 22150440-1
Sampled Date Jan 11, 2023 9:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2558 Plot 45,46,143 Site Thai Malaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced Jan 12, 2023
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	15.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	110	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-1-7127
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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TESTING No.0009

Lot ID: 22150448

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Jan 13, 2023
Date Reported : Jan 19, 2023
Report Number : 252/873-1

Page 1 of 1

Sample Number 22150448-1
Sampled Date Jan 13, 2023 9:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2560 Plot 70,71,73 Site The Siam Cement (Taluang) Co.,Ltd.
Date Analysis Commenced Jan 13, 2023
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	4.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	1.5	5	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-1-7127
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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุวันที่ 1-204-1-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุวันที่ 1-204-6-6111

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Analysis / Test Report

TESTING No.0006

Lot ID: 22150406

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 252:637-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150406-1
Sampled Date Jan 09, 2023 11:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_027_2554 **Plot** 53,60 **Site** Tiemsirt (Thailand) Corp.Ltd.
Date Analysis Commenced Jan 10, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	27.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	153	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	75	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Sutiha หน้างานเขต9 ว-204-ข-86:4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150426

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252:729-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150426-1
Sampled Date Jan 11, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_061_2556 **Plot** 147 **Site** TS Tech (Thailand) Co.Ltd.
Date Analysis Commenced Jan 12, 2023
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	5.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	86	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หน้างานเขต9 ว-204-ข-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150430

Date Received : Jan 12, 2023
Date Reported : Jan 19, 2023
Report Number : 252:742-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150430-1
Sampled Date Jan 12, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_075_2557 **Plot** 53A/1 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Jan 13, 2023
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	17.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	117	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หน้างานเขต9 ว-204-ข-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150432

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252:751-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150432-1
Sampled Date Jan 11, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_037_2556 **Plot** 151-152 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Jan 12, 2023
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	3.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หน้างานเขต9 ว-204-ข-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150411

Date Received : Jan 11, 2023
Date Reported : Jan 18, 2023
Report Number : 252:660-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150411-1
Sampled Date Jan 11, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_074_2557 **Plot** 153-154 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Jan 12, 2023
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	27.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	161	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	66	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangjuk หน้างานเขต9 ว-204-ข-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 22150412

Date Received : Jan 09, 2023
Date Reported : Jan 16, 2023
Report Number : 252:660-1

Page 1 of 1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 22150412-1
Sampled Date Jan 09, 2023 10:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_069_2557 **Plot** 27(F) **Site** World Quality Co.Ltd.
Location Port 1
Date Analysis Commenced Jan 10, 2023
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	17.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, port 4500 - O C	Bangkok
COD	mg/L	1.5	5	87	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamchai Sutiha หน้างานเขต9 ว-204-ข-86:4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หน้างานเขต9 ว-204-ข-4720
Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, หน้างานเขต9 ว-204-ข-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239276

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352139-1

Page 1 of 1

Sample Number 239276-1
Sampled Date Feb 07, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2554 Plot 1 Site Air Liquide (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 08, 2023
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	11.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	218	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุ#1-204-s-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239308

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352156-1

Page 1 of 1

Sample Number 239308-1
Sampled Date Feb 07, 2023 11:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_043_2556 Plot 93D Site Daiyu Seat (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 09, 2023
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	71.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	218	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	39.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nornsest Kornel หมดอายุ#1-204-s-5411

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: Nam Saseng, Supervisor, หมดอายุ#1-204-s-4715
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239337

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352343-1

Page 1 of 1

Sample Number 239337-1
Sampled Date Feb 07, 2023 1:34 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2560 Plot 40.84 Site D-HAPPENING COMPANY LIMITED
Date Analysis Commenced Feb 09, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	38	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	44	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Nam Saseng, Supervisor, หมดอายุ#1-204-s-4715
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239279

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2352136-1

Page 1 of 1

Sample Number 239279-1
Sampled Date Feb 06, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2554 Plot 39 Site DSG International (Thailand) PLC.
Date Analysis Commenced Feb 07, 2023
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, odour/less, 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. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุ#1-204-s-7107

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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุ#1-204-s-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239300

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2352221-1

Page 1 of 1

Sample Number 239300-1
Sampled Date Feb 03, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_031_2555 Plot 148 Site FTN (Saraburi) Co.,Ltd
Date Analysis Commenced Feb 04, 2023
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	6.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	66	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุ#1-204-s-7107

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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุ#1-204-s-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239280

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352140-1

Page 1 of 1

Sample Number 239280-1
Sampled Date Feb 07, 2023 11:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2554 Plot 77,78 Site Fujikoki Corporation
Date Analysis Commenced Feb 08, 2023
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	4.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Siriluk P. — Siriluk Puongpang, Supervisor, หมดอายุ#1-204-s-4720
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239281

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352141-1

Page 1 of 1

Sample Number 239281-1
Sampled Date Feb 07, 2023 10:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_006_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 1
Date Analysis Commenced Feb 08, 2023
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	3.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	60	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Nam Saseng, Supervisor, หมดอายุ#1-204-s-4715
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239282

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352142-1

Page 1 of 1

Sample Number 239282-1
Sampled Date Feb 07, 2023 10:12 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 2
Date Analysis Commenced Feb 08, 2023
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	5.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	90	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Nam Saseng, Supervisor, หมดอายุ#1-204-s-4715
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239283

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2352146-1

Page 1 of 1

Sample Number 239283-1
Sampled Date Feb 07, 2023 9:48 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_008_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 3
Date Analysis Commenced Feb 08, 2023
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	6.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B. part 4500 - O C	Bangkok
COD	mg/L	-	25	52	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมดอายุ#1-204-s-5414

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: Nam Saseng, Supervisor, หมดอายุ#1-204-s-4715
Approved by: Karnkamon Anek, Senior Manager, หมดอายุ#1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239355

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552394-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239355-1
Sampled Date Feb 01, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Feb 03, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	29	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1336	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark

Technical Management: Sawitree N, Sawitree Noangam, Manager, หมดอายุวันที่ 1-204-n-4709
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239355

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552394-2

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239355-1
Sampled Date Feb 01, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Feb 06, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromho/cm	-	0.5	2072	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)

Technical Management: Sawitree N, Sawitree Noangam, Manager, หมดอายุวันที่ 1-204-n-4709
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239355

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552394-3

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Sawitree N, Sawitree Noangam, Manager, หมดอายุวันที่ 1-204-n-4709
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239364

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552416-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239364-1
Sampled Date Feb 02, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2562 **Plot** 131 **Site** Gulf NPM Co.,Ltd.
Date Analysis Commenced Feb 03, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	60	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2352	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Siriluk P, Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239362

Date Received : Feb 01, 2023
Date Reported : Feb 06, 2023
Report Number : 2552411-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239362-1
Sampled Date Feb 01, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2556 **Plot** 149 **Site** Hygeia (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced Feb 02, 2023
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 bit 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	91.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	232	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	396	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	55	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-n-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Nann Saseng, Supervisor, หมดอายุวันที่ 1-204-n-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239307

Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552251-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239307-1
Sampled Date Feb 06, 2023 10:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_042_2556 **Plot** 64 **Site** IDEC Asia (Thailand) Co.,Ltd
Date Analysis Commenced Feb 07, 2023
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	7.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	79	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-n-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Siriluk P, Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239284

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552148-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239284-1
Sampled Date Feb 03, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2554 **Plot** 43,44 **Site** JCY HDD Technology Co.,Ltd.
Date Analysis Commenced Feb 04, 2023
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 bit 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	86.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	208	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	73	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-n-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Siriluk P, Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239285

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552150-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239285-1
Sampled Date Feb 03, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_010_2556 **Plot** 146 **Site** Knauf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 04, 2023
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, odourless, 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	2.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	37	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-n-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Siriluk P, Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239291

Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552194-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 239291-1
Sampled Date Feb 06, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_018_2554 **Plot** 18,82,40 **Site** Maxion Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 09, 2023
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 bit 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	5.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	99	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุวันที่ 1-204-n-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis(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: Siriluk P, Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239299
Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552299-1

Sample Number 239299-1
Sampled Date Feb 06, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_011_2554 **Plot** 65 **Site** Michelin RCH Co.,Ltd.
Date Analysis Commenced Feb 07, 2023
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	9.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	117	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239319
Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552294-1

Sample Number 239319-1
Sampled Date Feb 02, 2023 9:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_062_2556 **Plot** 134/1 **Site** Miyago Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 03, 2023
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	54.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	134	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239313
Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552275-1

Sample Number 239313-1
Sampled Date Feb 03, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_048_2556 **Plot** 160,161,162,166,168 **Site** Muto (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 04, 2023
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	30.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	131	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239351
Date Received : Feb 08, 2023
Date Reported : Feb 15, 2023
Report Number : 2552424-1

Sample Number 239351-1
Sampled Date Feb 08, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_005_2565 **Plot** 6 **Site** Navaplastic Industries Co.,Ltd.
Date Analysis Commenced Feb 09, 2023
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	3.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	77	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239314
Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552280-1

Sample Number 239314-1
Sampled Date Feb 06, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_055_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.,Ltd.
Date Analysis Commenced Feb 07, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239352
Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552425-1

Sample Number 239352-1
Sampled Date Feb 06, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_067_2565 **Plot** 68 **Site** Nihonichi Food (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2023
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, Colorless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หนังสือเลขที่ ว 204-ว.7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หนังสือเลขที่ ว 204-ว.4720
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239320
Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552289-1

Sample Number 239320-1
Sampled Date Feb 07, 2023 11:02 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_063_2556 **Plot** 93C **Site** Nikon (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 08, 2023
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	50.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	162	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nornsee Komol หนังสือเลขที่ ว 204-ว.5411

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: Nann Saiseng, Supervisor, หนังสือเลขที่ ว 204-ว.4753
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239304
Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552273-1

Sample Number 239304-1
Sampled Date Feb 07, 2023 1:34 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_040_2556 **Plot** 21 **Site** Noritake SA (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 08, 2023
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	6.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	81	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanna Jariya หนังสือเลขที่ ว 204-ว.5414

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: Nann Saiseng, Supervisor, หนังสือเลขที่ ว 204-ว.4753
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamon, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239361
Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552407-1

Sample Number 239361-1
Sampled Date Feb 07, 2023 1:07 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_019_2554 **Plot** 20 **Site** Noritake SCG Plaster Co.,Ltd.
Date Analysis Commenced Feb 08, 2023
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	44.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	140	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1304	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanna Jariya หนังสือเลขที่ ว 204-ว.5414

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: Nann Saiseng, Supervisor, หนังสือเลขที่ ว 204-ว.4753
Approved by: Karnokkom Anek, Senior Manager, หนังสือเลขที่ ว 204-ว.6111

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TESTING No.0009

Lot ID: 239305

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 01, 2023
Date Reported : Feb 06, 2023
Report Number : 2552239-1

Page 1 of 1

Sample Number 239305-1
Sampled Date Feb 01, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2554 Plot 47 Site RiverPRO Pulp & Paper Company Limited (Sat)
Date Analysis Commenced Feb 02, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	67.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	162	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	26.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	52	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบป้องแลนด์ ว-204-ว-7107

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: Narin Saseng, Supervisor, พบป้องแลนด์ ว-204-ว-4713
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239306

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552247-1

Page 1 of 1

Sample Number 239306-1
Sampled Date Feb 07, 2023 10:57 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2554 Plot 47 Site RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced Feb 08, 2023
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	5.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	54	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thawee Janya พบป้องแลนด์ ว-204-ว-5414

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: Narin Saseng, Supervisor, พบป้องแลนด์ ว-204-ว-4715
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239312

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 01, 2023
Date Reported : Feb 06, 2023
Report Number : 2552275-1

Page 1 of 1

Sample Number 239312-1
Sampled Date Feb 01, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_047_2556 Plot 136 Site Rohm Machatech (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 02, 2023
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	50.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	148	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	24.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบป้องแลนด์ ว-204-ว-7107

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: Narin Saseng, Supervisor, พบป้องแลนด์ ว-204-ว-4715
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239335

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552339-1

Page 1 of 1

Sample Number 239335-1
Sampled Date Feb 07, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2560 Plot 91 Site SCG Ceramics Co.,Ltd.
Date Analysis Commenced Feb 08, 2023
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, odourless, 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	2.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	38	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nonrawat Komel พบป้องแลนด์ ว-204-ว-5411

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: Narin Saseng, Supervisor, พบป้องแลนด์ ว-204-ว-4713
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239277

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552132-1

Page 1 of 1

Sample Number 239277-1
Sampled Date Feb 03, 2023 1:50 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_002_2554 Plot 10,11 Site SCG Roofing Co.,Ltd
Date Analysis Commenced Feb 04, 2023
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	41.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	151	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	66	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Warnachoochak พบป้องแลนด์ ว-204-ว-7109

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: Siriluk Puangpang, Supervisor, พบป้องแลนด์ ว-204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239296

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552212-1

Page 1 of 1

Sample Number 239296-1
Sampled Date Feb 07, 2023 10:42 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_025_2554 Plot 19,41 Site SCG Roofing Co.,Ltd
Date Analysis Commenced Feb 08, 2023
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	49.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	205	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nonrawat Komel พบป้องแลนด์ ว-204-ว-5411

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: Narin Saseng, Supervisor, พบป้องแลนด์ ว-204-ว-4713
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239288

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552161-1

Page 1 of 1

Sample Number 239288-1
Sampled Date Feb 06, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_015_2556 Plot 61,62 Site SEKI Corp.(Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2023
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	7.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	104	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	42	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบป้องแลนด์ ว-204-ว-7107

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: Siriluk Puangpang, Supervisor, พบป้องแลนด์ ว-204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239317

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2552267-1

Page 1 of 1

Sample Number 239317-1
Sampled Date Feb 06, 2023 10:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_057_2556 Plot 66 Site Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced Feb 07, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบป้องแลนด์ ว-204-ว-7107

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: Siriluk Puangpang, Supervisor, พบป้องแลนด์ ว-204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239309

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552259-1

Page 1 of 1

Sample Number 239309-1
Sampled Date Feb 03, 2023 11:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_071_2557 Plot 144,145 Site Sekisui SCG Industrial Co.,Ltd.
Location Plant 1
Date Analysis Commenced Feb 04, 2023
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, odourless, 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	2.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบป้องแลนด์ ว-204-ว-7107

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: Siriluk Puangpang, Supervisor, พบป้องแลนด์ ว-204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, พบป้องแลนด์ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239321
Date Received : Feb 06, 2023
Date Reported : Feb 13, 2023
Report Number : 2532299-1

Sample Number 239321-1
Sampled Date Feb 06, 2023 10:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_068_2557 **Plot** 59 **Site** Shibakawa (Thailand) Co.,Ltd.
Location Point 2
Date Analysis Commenced Feb 07, 2023
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	8.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	68	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	28.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
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, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนักงานระดับ 1-204-ว.7/07

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: Siriluk P. — Siriluk Puongpang, Supervisor, พนักงานระดับ 1-204-ว.4720
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239327
Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2532321-1

Sample Number 239327-1
Sampled Date Feb 03, 2023 10:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_081_2557 **Plot** 150 **Site** Shinentech (TWCT Co.,Ltd.)
Date Analysis Commenced Feb 04, 2023
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	8.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	58	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	27.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
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, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนักงานระดับ 1-204-ว.7/07

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: Siriluk P. — Siriluk Puongpang, Supervisor, พนักงานระดับ 1-204-ว.4720
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239356
Date Received : Feb 06, 2023
Date Reported : Feb 15, 2023
Report Number : 2532296-1

Sample Number 239356-1
Sampled Date Feb 06, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_052_2554 **Plot** 8 **Site** Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced Feb 06, 2023
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, 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	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	89	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Formaldehyde *	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangpk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	30.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนักงานระดับ 1-204-ว.7/07

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: Siriluk P. — Siriluk Puongpang, Supervisor, พนักงานระดับ 1-204-ว.4720
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239358
Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2532401-1

Sampling By : Nonnawat Komol พนักงานระดับ 1-204-ว.5411

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: Sawitree N. — Sawitree Noisangam, Manager, พนักงานระดับ 1-204-ว.4709
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239357
Date Received : Feb 01, 2023
Date Reported : Feb 08, 2023
Report Number : 2532400-1

Sample Number 239357-1
Sampled Date Feb 01, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd.(2nd)
Date Analysis Commenced Feb 02, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.01	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangpk
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1136	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpk
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, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N. — Sawitree Noisangam, Manager, พนักงานระดับ 1-204-ว.4709
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239359
Date Received : Feb 01, 2023
Date Reported : Feb 08, 2023
Report Number : 2532400-1

Sample Number 239359-1
Sampled Date Feb 01, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd.(1st)
Date Analysis Commenced Feb 02, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.02	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangpk
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	26.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1720	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangpk
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, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N. — Sawitree Noisangam, Manager, พนักงานระดับ 1-204-ว.4709
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239289
Date Received : Feb 09, 2023
Date Reported : Feb 16, 2023
Report Number : 2532451-1

Sample Number 239289-1
Sampled Date Feb 09, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_016_2554 **Plot** 9,15 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Feb 10, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
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, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนักงานระดับ 1-204-ว.7/07

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: Siriluk P. — Siriluk Puongpang, Supervisor, พนักงานระดับ 1-204-ว.4720
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 239290
Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2532171-1

Sample Number 239290-1
Sampled Date Feb 03, 2023 10:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_017_2554 **Plot** 42,79,98 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Feb 04, 2023
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	5.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpk
COD	mg/L	-	25	67	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpk
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpk
Temperature *	Degree C	-	-	27.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนักงานระดับ 1-204-ว.7/07

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: Siriluk P. — Siriluk Puongpang, Supervisor, พนักงานระดับ 1-204-ว.4720
Approved by: Karnokkorn Anek, Senior Manager, พนักงานระดับ 1-204-ว.6111

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TESTING No.0009

Lot ID: 239292

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552197-1

Page 1 of 1

Sample Number : 239292-1
Sampled Date : Feb 07, 2023 1:17 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_020_2554 Plot : 74 Site : Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced : Feb 08, 2023
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	32.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	139	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	68	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowkaew หน่วยแรงงาน > 204-n-7517

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: Narin Saseng, Supervisor, หน่วยแรงงาน > 204-n-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239311

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552267-1

Page 1 of 1

Sample Number : 239311-1
Sampled Date : Feb 02, 2023 9:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_041_2556 Plot : 132 Site : SLIK (Thailand) Co.,Ltd.
Date Analysis Commenced : Feb 03, 2023
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	59.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	179	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	60	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หน่วยแรงงาน > 204-n-7107

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: Siriluk Puangpang, Supervisor, หน่วยแรงงาน > 204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239295

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552210-1

Page 1 of 1

Sample Number : 239295-1
Sampled Date : Feb 07, 2023 1:30 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_024_2554 Plot : 23 Site : Thai Beverage Can Co.,Ltd.
Location : Point 2
Date Analysis Commenced : Feb 08, 2023
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, odourless, 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	15.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	67	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowkaew หน่วยแรงงาน > 204-n-7517

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: Narin Saseng, Supervisor, หน่วยแรงงาน > 204-n-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239316

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 02, 2023
Date Reported : Feb 09, 2023
Report Number : 2552262-1

Page 1 of 1

Sample Number : 239316-1
Sampled Date : Feb 02, 2023 9:30 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_056_2556 Plot : 133 Site : Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced : Feb 03, 2023
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	303	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	630	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หน่วยแรงงาน > 204-n-7107

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: Siriluk Puangpang, Supervisor, หน่วยแรงงาน > 204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239341

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552355-1

Page 1 of 1

Sample Number : 239341-1
Sampled Date : Feb 07, 2023 11:49 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_036_2556 Plot : 133 Site : Thai Inaba Foods (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced : Feb 08, 2023
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, a lot of 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	194	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	606	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หน่วยแรงงาน > 204-n-5414

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: Siriluk Puangpang, Supervisor, หน่วยแรงงาน > 204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239298

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552217-1

Page 1 of 1

Sample Number : 239298-1
Sampled Date : Feb 07, 2023 1:16 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_028_2554 Plot : 37,38 Site : Thai Halaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced : Feb 08, 2023
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	36.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	132	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หน่วยแรงงาน > 204-n-5414

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: Narin Saseng, Supervisor, หน่วยแรงงาน > 204-n-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239332

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552230-1

Page 1 of 1

Sample Number : 239332-1
Sampled Date : Feb 03, 2023 10:00 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_001_2556 Plot : 45,46,143 Site : Thai Malaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced : Feb 04, 2023
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	83.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	255	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หน่วยแรงงาน > 204-n-7107

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: Siriluk Puangpang, Supervisor, หน่วยแรงงาน > 204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239340

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2552202-1

Page 1 of 1

Sample Number : 239340-1
Sampled Date : Feb 07, 2023 9:38 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_009_2560 Plot : 70,71,73 Site : The Siam Cement (Taikang) Co.,Ltd.
Date Analysis Commenced : Feb 08, 2023
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	7.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	89	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Nomsak Komal หน่วยแรงงาน > 204-n-5411

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: Narin Saseng, Supervisor, หน่วยแรงงาน > 204-n-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 239318

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2552290-1

Page 1 of 1

Sample Number : 239318-1
Sampled Date : Feb 03, 2023 10:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SL_061_2556 Plot : 147 Site : TS Tech (Thailand) Co.,Ltd.
Date Analysis Commenced : Feb 04, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	77.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	217	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	56	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หน่วยแรงงาน > 204-n-7107

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: Siriluk Puangpang, Supervisor, หน่วยแรงงาน > 204-n-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแรงงาน > 204-n-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 239322
Date Received : Feb 07, 2023
Date Reported : Feb 14, 2023
Report Number : 2532300-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Sample Number 239322-1
Sampled Date Feb 07, 2023 1:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_075_2557 **Plot** 93A/1 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Feb 08, 2023
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	32.5	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	128	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Norraset Komol หมดอนุมตฺ >204-ว-5411

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: Narin Saseng, Supervisor, หมดอนุมตฺ >204-ว-4711
Approved by: Kanokkorn Anek, Senior Manager, หมดอนุมตฺ >204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 239324
Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2532304-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Sample Number 239324-1
Sampled Date Feb 03, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_037_2556 **Plot** 151-152 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Feb 04, 2023
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	17.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	114	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอนุมตฺ >204-ว-7107

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: Siriluk P., Supervisor, หมดอนุมตฺ >204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอนุมตฺ >204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 239302
Date Received : Feb 03, 2023
Date Reported : Feb 10, 2023
Report Number : 2532228-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SIL

Sample Number 239302-1
Sampled Date Feb 03, 2023 10:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_074_2557 **Plot** 153-154 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Feb 04, 2023
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	74.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	203	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	67	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอนุมตฺ >204-ว-7107

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: Siriluk P., Supervisor, หมดอนุมตฺ >204-ว-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอนุมตฺ >204-ว-6111

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Analysis / Test Report

TESTING No.0006

Lot ID: 2323141

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2581031-1

Sample Number: 2323141-1
Sampled Date: Mar 06, 2023 11:43 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_041_2356 Plot: 93D Site: Daiyu Seat (Thailand) Co.,Ltd.
Date Analysis Commenced: Mar 09, 2023
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 bit 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	66.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	186	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	30.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chalidadt Warin ระเบียบเลขที่ I-204-s-6120

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323170

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2581115-1

Sample Number: 2323170-1
Sampled Date: Mar 02, 2023 11:37 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_004_2560 Plot: 40,84 Site: D-HAPPENKING COMPANY LIMITED
Date Analysis Commenced: Mar 03, 2023
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	28.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323107

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2580939-1

Sample Number: 2323107-1
Sampled Date: Mar 06, 2023 11:10 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_003_2554 Plot: 54 Site: D-Rubber Products Co.,Ltd.
Date Analysis Commenced: Mar 09, 2023
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	286	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	536	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	34.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	55	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-s-7507

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323108

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2580941-1

Sample Number: 2323108-1
Sampled Date: Mar 09, 2023 11:00 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_004_2354 Plot: 39 Site: DSG International (Thailand) PLC.
Date Analysis Commenced: Mar 10, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	41	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-s-7507

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323133

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2581003-1

Sample Number: 2323133-1
Sampled Date: Mar 09, 2023 10:05 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_031_2355 Plot: 148 Site: FTN (Saraburi) Co.,Ltd
Date Analysis Commenced: Mar 10, 2023
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	4.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	59	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-s-7507

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323109

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580944-1

Sample Number: 2323109-1
Sampled Date: Mar 02, 2023 3:10 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_005_2354 Plot: 77,78 Site: Fujikoi Corporation
Date Analysis Commenced: Mar 03, 2023
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	17.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	117	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323110

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580945-1

Sample Number: 2323110-1
Sampled Date: Mar 02, 2023 9:56 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_006_2354 Plot: 2 Site: Guardian Industries Corp Ltd.
Location: Point 1
Date Analysis Commenced: Mar 03, 2023
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	5.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	30	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	33.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323111

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580946-1

Sample Number: 2323111-1
Sampled Date: Mar 02, 2023 10:02 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_007_2354 Plot: 2 Site: Guardian Industries Corp Ltd.
Location: Point 2
Date Analysis Commenced: Mar 03, 2023
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	14.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	81	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-s-5414

Remark
LOD : Limit of Detection
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Technical Management: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323112

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580931-1

Sample Number: 2323112-1
Sampled Date: Mar 02, 2023 9:45 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_008_2354 Plot: 2 Site: Guardian Industries Corp Ltd.
Location: Point 3
Date Analysis Commenced: Mar 03, 2023
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 bit 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	6.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	99	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 -H (B)	Bangkok
Temperature *	Degree C	-	-	30.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saiseng, Supervisor, ระเบียบเลขที่ I-204-s-4713
Approved by: Kanokkorn Anek, Senior Manager, ระเบียบเลขที่ I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323188
Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2581140-1

Page 1 of 2

Sample Number	2322186-1
Sampled Date	Mar 09, 2023 9:40 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced	Mar 10, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 3500-Cr B	Bangkok
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. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	53	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1280	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเบอร์ ฟ-204-ข-7507

Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323188
Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2581140-1

Page 2 of 2

Remark
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Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323188
Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2581140-2

Page 1 of 1

Sample Number	2322186-1
Sampled Date	Mar 09, 2023 9:40 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced	Mar 13, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1920	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2510 B	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk

Remark
LOD : Limit of Detection
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Approved by: Narin Saiseng, Supervisor

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323197
Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2581157-1

Page 1 of 1

Sample Number	2322197-1
Sampled Date	Mar 09, 2023 9:50 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_004_2562 **Plot** 131 **Site** Gulf NPM Co.,Ltd.
Date Analysis Commenced	Mar 10, 2023
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, odourless, 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. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	51	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2260	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเบอร์ ฟ-204-ข-7107

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Technical Management: Suwimon Chanuanyut, Scientist (2) — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2501181-1
Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2501181-1

Page 1 of 1

Sample Number	2321951-1
Sampled Date	Mar 01, 2023 10:50 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_032_2556 **Plot** 149 **Site** Hygeia (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced	Mar 01, 2023
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, odourless, 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	2.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	3	1108	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเบอร์ ฟ-204-ข-7107

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Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323196
Date Received : Mar 08, 2023
Date Reported : Mar 16, 2023
Report Number : 2581134-1

Page 1 of 1

Sample Number	2322196-1
Sampled Date	Mar 08, 2023 1:45 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_032_2556 **Plot** 149 **Site** Hygeia (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced	Mar 09, 2023
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, odourless, 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. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	660	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเบอร์ ฟ-204-ข-7107

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: Siriluk Puangsang, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323140
Date Received : Mar 08, 2023
Date Reported : Mar 14, 2023
Report Number : 2581027-1

Page 1 of 1

Sample Number	2322140-1
Sampled Date	Mar 08, 2023 11:55 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_042_2556 **Plot** 64 **Site** IDEC Asia (Thailand) Co.,Ltd
Date Analysis Commenced	Mar 09, 2023
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 bit 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	99.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	253	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเบอร์ ฟ-204-ข-7507

Remark
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Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323182
Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2501181-1

Page 1 of 1

Sample Number	2321812-1
Sampled Date	Mar 01, 2023 9:40 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_003_2565 **Plot** 139-140 **Site** Invoight Technology (Thailand) Co.,Ltd
Date Analysis Commenced	Mar 01, 2023
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 bit 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	71.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	223	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	38	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chulladat Wanin ระเบียบเบอร์ ฟ-204-ข-6120

Remark
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Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2323113
Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580912-1

Page 1 of 1

Sample Number	2312113-1
Sampled Date	Mar 02, 2023 2:50 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_069_2554 **Plot** 43,44 **Site** JCY HDD Technology Co.,Ltd.
Date Analysis Commenced	Mar 03, 2023
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	9.4	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	63	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเบอร์ ฟ-204-ข-5614

Remark
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Technical Management: Narin Saiseng, Supervisor — Approved by: Kanokkorn Anek, Senior Manager ระเบียบเบอร์ ฟ-204-ค-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323134

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 10, 2023
Project Name : Factory I Monthly Date Reported : Mar 16, 2023
Project Location : WHA SSL Report Number : 2583007-1

Page 1 of 1

Sample Number : 2323134-1
Sampled Date : Mar 10, 2023 3:30 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_034_2556 Plot : 162/1 Site : Johnan F. Tech (Thailand) Co.,Ltd.
Date Analysis Commenced : Mar 11, 2023
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	266	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยแผนฯ ห-204-ห-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323114

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 09, 2023
Project Name : Factory I Monthly Date Reported : Mar 16, 2023
Project Location : WHA SSL Report Number : 2580953-1

Page 1 of 1

Sample Number : 2323114-1
Sampled Date : Mar 09, 2023 10:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_010_2556 Plot : 146 Site : Knauf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced : Mar 10, 2023
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 turbid

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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	117	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	28.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยแผนฯ ห-204-ห-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(s) marked * is/are not included in scope of Accreditation ISO IEC 17025.
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Technical Management: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323120

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 09, 2023
Project Name : Factory I Monthly Date Reported : Mar 14, 2023
Project Location : WHA SSL Report Number : 2580967-1

Page 1 of 1

Sample Number : 2323120-1
Sampled Date : Mar 08, 2023 11:07 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_018_2556 Plot : 10.82,40 Site : Maxion Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced : Mar 09, 2023
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	67.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	159	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	33.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chalidet Warin หน่วยแผนฯ ห-204-ห-6120

Remark
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Technical Management: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323131

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2580999-1

Page 1 of 1

Sample Number : 2323131-1
Sampled Date : Mar 02, 2023 2:00 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_011_2554 Plot : 65 Site : Michelin ROH Co.,Ltd.
Date Analysis Commenced : Mar 03, 2023
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	190	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	278	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยแผนฯ ห-204-ห-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323116

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 08, 2023
Project Name : Factory I Monthly Date Reported : Mar 14, 2023
Project Location : WHA SSL Report Number : 2580959-1

Page 1 of 1

Sample Number : 2323116-1
Sampled Date : Mar 08, 2023 10:27 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_013_2554 Plot : 5,8,9,92 Site : Michelin Siam Co.,Ltd.
Date Analysis Commenced : Mar 09, 2023
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	6.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	76	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	33.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chalidet Warin หน่วยแผนฯ ห-204-ห-6120

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323169

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 08, 2023
Project Name : Factory I Monthly Date Reported : Mar 15, 2023
Project Location : WHA SSL Report Number : 2581113-1

Page 1 of 1

Sample Number : 2323169-1
Sampled Date : Mar 08, 2023 10:48 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_002_2560 Plot : 17 Site : Michelin Siam Co.,Ltd.
Date Analysis Commenced : Mar 09, 2023
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	65.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	242	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	37	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chalidet Warin หน่วยแผนฯ ห-204-ห-6120

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Siriluk Puangseng, Supervisor, หน่วยแผนฯ ห-204-ห-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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TESTING No.0009

Lot ID: 2323151

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 01, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581074-1

Page 1 of 1

Sample Number : 2323151-1
Sampled Date : Mar 01, 2023 9:45 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_062_2556 Plot : 136/1 Site : Hiyego Industry (Thailand) Co.,Ltd.
Date Analysis Commenced : Mar 02, 2023
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	19.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	101	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยแผนฯ ห-204-ห-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(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: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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TESTING No.0009

Lot ID: 2323146

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 06, 2023
Project Name : Factory I Monthly Date Reported : Mar 16, 2023
Project Location : WHA SSL Report Number : 2581060-1

Page 1 of 1

Sample Number : 2323146-1
Sampled Date : Mar 06, 2023 10:35 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_048_2556 Plot : 160,161,162,166,168 Site : Muto (Thailand) Co.,Ltd.
Date Analysis Commenced : Mar 10, 2023
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	72.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	170	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	46	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยแผนฯ ห-204-ห-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
Analytic(s) marked * is/are not included in scope of Accreditation ISO IEC 17025.
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Technical Management: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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TESTING No.0009

Lot ID: 2323184

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581164-1

Page 1 of 1

Sample Number : 2323184-1
Sampled Date : Mar 02, 2023 10:30 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_005_2565 Plot : 6 Site : Newplastic Industries Co.,Ltd.
Date Analysis Commenced : Mar 03, 2023
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	72.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	234	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	30.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	93	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannechoochai หน่วยแผนฯ ห-204-ห-7109

Remark
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Technical Management: Narin Saseng, Supervisor, หน่วยแผนฯ ห-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยแผนฯ ห-204-ห-6111

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TESTING No.0009

Lot ID: 2323147

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 03, 2023
Date Reported : Mar 10, 2023
Report Number : 2581062-1

Sample Number 2323147-1
Sampled Date Mar 03, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_053_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.,Ltd.
Date Analysis Commenced Mar 04, 2023
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, odourless, 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	2.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	33	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-ง-7107

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: Suwimon C, Suwimon Charoungpud, Scientist (2), ระเบียบเลขที่ I-204-ง-56.7
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323185

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2581166-1

Sample Number 2323185-1
Sampled Date Mar 01, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_007_2565 **Plot** 68 **Site** Nihonchi Food (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 03, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-ง-7107

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: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323152

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2581075-1

Sample Number 2323152-1
Sampled Date Mar 06, 2023 1:32 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_063_2556 **Plot** 93C **Site** Nilon (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 09, 2023
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	72.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	191	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	42	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Chalidot Warm ระเบียบเลขที่ I-204-ง-6120

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: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323137

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 03, 2023
Date Reported : Mar 09, 2023
Report Number : 2581013-1

Sample Number 2323137-1
Sampled Date Mar 02, 2023 1:10 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_040_2556 **Plot** 21 **Site** Noritake SA (Thailand) Co.,Ltd.
Date Analysis Commenced Mar 03, 2023
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	13.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	86	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya ระเบียบเลขที่ I-204-ง-5414

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323194

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 07, 2023
Date Reported : Mar 14, 2023
Report Number : 2581131-1

Sample Number 2323194-1
Sampled Date Mar 07, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_019_2554 **Plot** 20 **Site** Noritake SCG Plaster Co.,Ltd.
Date Analysis Commenced Mar 08, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	46	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-ง-7107

Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323187

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 10, 2023
Report Number : 2581139-1

Sample Number 2323187-1
Sampled Date Mar 02, 2023 10:08 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_053_2554 **Plot** 36 **Site** Ready Clean Co.,Ltd.
Date Analysis Commenced Mar 03, 2023
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, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachookchai ระเบียบเลขที่ I-204-ง-7109

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: Suwimon C, Suwimon Charoungpud, Scientist (2), ระเบียบเลขที่ I-204-ง-56.7
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323187

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 02, 2023
Date Reported : Mar 10, 2023
Report Number : 2581139-2

Sample Number 2323187-1
Sampled Date Mar 02, 2023 10:08 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_053_2554 **Plot** 36 **Site** Ready Clean Co.,Ltd.
Date Analysis Commenced Mar 03, 2023
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, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Anionic Surfactant as MBAS	mg/L	0.015	0.05	0.15	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5540 B, C	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachookchai ระเบียบเลขที่ I-204-ง-7109

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

Approved by: Suwimon C, Suwimon Charoungpud, Scientist (2)

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323138

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2581018-1

Sample Number 2323138-1
Sampled Date Mar 01, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (1st)
Date Analysis Commenced Mar 02, 2023
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, odourless, 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	3.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	58	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-ง-7107

Remark
LOD : Limit of Detection
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Technical Management: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323139

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2581022-1

Sample Number 2323139-1
Sampled Date Mar 06, 2023 1:35 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced Mar 09, 2023
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	12.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	146	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	36.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ I-204-ง-7107

Remark
LOD : Limit of Detection
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Technical Management: Nann Saiseng, Supervisor, ระเบียบเลขที่ I-204-ง-4715
Approved by: Karnkokorn Anek, Senior Manager, ระเบียบเลขที่ I-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323145

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 01, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2561053-1

Page 1 of 1

Sample Number	2323145-1
Sampled Date	Mar 01, 2023 9:30 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_047_2556 Plot 138 Site Rohm Haas(Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 02, 2023
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	6.3	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	96	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หบ.ยินยอมที่ >-204-ห-7107

Remark
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323168

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 08, 2023
Project Name : Factory I Monthly Date Reported : Mar 14, 2023
Project Location : WHA SSL Report Number : 2591111-1

Page 1 of 1

Sample Number	2323168-1
Sampled Date	Mar 08, 2023 11:30 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_001_2560 Plot 91 Site SCG Ceramics Co.,Ltd.
Date Analysis Commenced	Mar 09, 2023
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	2.9	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chalidadt Warm หบ.ยินยอมที่ >-204-ห-6120

Remark
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323106

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2580936-1

Page 1 of 1

Sample Number	2323106-1
Sampled Date	Mar 02, 2023 10:13 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_002_2554 Plot 10,11 Site SCG Roofing Co.,Ltd
Date Analysis Commenced	Mar 03, 2023
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	39.6	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	167	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Prapot Wannachoochai หบ.ยินยอมที่ >-204-ห-7109

Remark
- LOD : Limit of Detection
- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analysis: marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323125

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 08, 2023
Project Name : Factory I Monthly Date Reported : Mar 14, 2023
Project Location : WHA SSL Report Number : 2580987-1

Page 1 of 1

Sample Number	2323125-1
Sampled Date	Mar 08, 2023 11:10 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_035_2554 Plot 19,41 Site SCG Roofing Co.,Ltd
Date Analysis Commenced	Mar 09, 2023
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	58.4	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	224	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chalidadt Warm หบ.ยินยอมที่ >-204-ห-6120

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323117

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 08, 2023
Project Name : Factory I Monthly Date Reported : Mar 14, 2023
Project Location : WHA SSL Report Number : 2580961-1

Page 1 of 1

Sample Number	2323117-1
Sampled Date	Mar 08, 2023 11:25 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_015_2556 Plot 61,62 Site SBX2 Corp.(Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 09, 2023
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	5.2	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	69	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หบ.ยินยอมที่ >-204-ห-7107

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: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323149

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581069-1

Page 1 of 1

Sample Number	2323149-1
Sampled Date	Mar 02, 2023 1:40 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_057_2556 Plot 66 Site Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 03, 2023
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, odourless, 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	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	38.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หบ.ยินยอมที่ >-204-ห-7107

Remark
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323142

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581039-1

Page 1 of 1

Sample Number	2323142-1
Sampled Date	Mar 02, 2023 3:45 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_071_2557 Plot 144,145 Site Sekisui-SCG Industrial Co.,Ltd.
Location	Point 1
Date Analysis Commenced	Mar 03, 2023
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	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หบ.ยินยอมที่ >-204-ห-5414

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323143

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581044-1

Page 1 of 1

Sample Number	2323143-1
Sampled Date	Mar 02, 2023 3:28 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_071_2558 Plot 144,145 Site Sekisui-SCG Industrial Co.,Ltd.
Location	Point 2
Date Analysis Commenced	Mar 03, 2023
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	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หบ.ยินยอมที่ >-204-ห-5414

Remark
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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TESTING No.0009

Lot ID: 2323153

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Mar 02, 2023
Project Name : Factory I Monthly Date Reported : Mar 09, 2023
Project Location : WHA SSL Report Number : 2581077-1

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Sample Number	2323153-1
Sampled Date	Mar 02, 2023 1:50 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_068_2557 Plot 59 Site Shibaura (Thailand) Co.,Ltd.
Location	Point 2
Date Analysis Commenced	Mar 03, 2023
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	76.5	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	137	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หบ.ยินยอมที่ >-204-ห-7107

Remark
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Technical Management: Narin Saiseng, Supervisor, หบ.ยินยอมที่ >-204-ห-4715
Approved by: Kanokkorn Anek, Senior Manager, หบ.ยินยอมที่ >-204-ห-6111

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TESTING No.0009

Lot ID: 2323160

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2581093-1

Page 1 of 1

Sample Number: 2323160-1
Sampled Date: Mar 02, 2023 2:20 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_081_2557 Plot: 150 Site: Shirontesh (WCT Co.,Ltd.)
Date Analysis Commenced: Mar 03, 2023
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	4.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	44	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมายเลขเครื่อง I-204-s-9414

Remark
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Technical Management: Narin Saseng, Supervisor, หมายเลขเครื่อง I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323189

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2581141-1

Page 1 of 1

Sample Number: 2323189-1
Sampled Date: Mar 02, 2023 10:37 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_032_2554 Plot: 8 Site: Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced: Mar 03, 2023
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, 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	6.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	108	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Formaldehyde *	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมายเลขเครื่อง I-204-s-7109

Remark
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Analysis marked * is/are not included in scope of Accreditation ISO IEC 17025.
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Technical Management: Narin Saseng, Supervisor, หมายเลขเครื่อง I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323192

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 08, 2023
Date Reported : Mar 15, 2023
Report Number : 2581147-1

Page 1 of 2

Sampling By : Teerawat Puangsuk หมายเลขเครื่อง I-204-s-7507

Remark
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Technical Management: Sawitree Nisanjam, Manager, หมายเลขเครื่อง I-204-s-4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323192

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2581144-1

Page 1 of 2

Sampling By : Teerawat Puangsuk หมายเลขเครื่อง I-204-s-7507

Remark
LOD : Limit of Detection
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Analysis marked * is/are not included in scope of Accreditation ISO IEC 17025.
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Technical Management: Sawitree Nisanjam, Manager, หมายเลขเครื่อง I-204-s-4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323191

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2581144-1

Page 1 of 2

Sample Number: 2323191-1
Sampled Date: Mar 01, 2023 10:20 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_030_2554 Plot: 69 Site: Siam Furukawa Co.,Ltd.(1st)
Date Analysis Commenced: Mar 02, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0003	0.04	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	988	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree Nisanjam, Manager, หมายเลขเครื่อง I-204-s-4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323191

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2581144-1

Page 2 of 2

Sampling By : Teerawat Puangsuk หมายเลขเครื่อง I-204-s-7507

Remark
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Technical Management: Sawitree Nisanjam, Manager, หมายเลขเครื่อง I-204-s-4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323175

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2581129-1

Page 1 of 1

Sample Number: 2323175-1
Sampled Date: Mar 02, 2023 10:30 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_010_2560 Plot: 31 Site: Siam Furukawa Co.,Ltd.
Date Analysis Commenced: Mar 03, 2023
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	57.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	186	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมายเลขเครื่อง I-204-s-9414

Remark
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Analysis marked * is/are not included in scope of Accreditation ISO IEC 17025.
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Technical Management: Narin Saseng, Supervisor, หมายเลขเครื่อง I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323123

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580978-1

Page 1 of 1

Sample Number: 2323123-1
Sampled Date: Mar 01, 2023 10:52 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_022_2554 Plot: 15 Site: Siam Furukawa Co.,Ltd.
Date Analysis Commenced: Mar 01, 2023
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	144	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	320	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	59	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมายเลขเครื่อง I-204-s-9414

Remark
LOD : Limit of Detection
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Analysis 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: Narin Saseng, Supervisor, หมายเลขเครื่อง I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323118

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SDL

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580963-1

Page 1 of 1

Sample Number: 2323118-1
Sampled Date: Mar 02, 2023 11:00 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_018_2554 Plot: 9,15 Site: Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location: Factory 1
Date Analysis Commenced: Mar 03, 2023
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	2.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	27	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมายเลขเครื่อง I-204-s-7109

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Technical Management: Narin Saseng, Supervisor, หมายเลขเครื่อง I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขเครื่อง I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323119

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580964-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323119-1
Sampled Date: Mar 02, 2023 2:35 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_017_2554 Plot: 42,79,98 Site: Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location: Factory 2
Date Analysis Commenced: Mar 03, 2023
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	62.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	177	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya หมดอายุวันที่ 1-204-s-5414

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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323178

Date Received : Mar 10, 2023
Date Reported : Mar 16, 2023
Report Number : 2581133-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323178-1
Sampled Date: Mar 10, 2023 3:15 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_005_2562 Plot: 63 Site: Siam Hanamanaki Co.,Ltd.
Location: (sea 59)
Date Analysis Commenced: Mar 11, 2023
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	399	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	686	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	117	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323121

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2580972-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323121-1
Sampled Date: Mar 08, 2023 11:00 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_020_2554 Plot: 74 Site: Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced: Mar 09, 2023
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	11.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	77	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

Remark
- LOD : Limit of Detection
- "-" : 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: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323122

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580975-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323122-1
Sampled Date: Mar 02, 2023 11:06 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_021_2554 Plot: 56 Site: Siam Toto Ceramics Co.,Ltd.
Date Analysis Commenced: Mar 03, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	106	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	27.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	120	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya หมดอายุวันที่ 1-204-s-5414

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323144

Date Received : Mar 06, 2023
Date Reported : Mar 09, 2023
Report Number : 2581048-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323144-1
Sampled Date: Mar 01, 2023 10:00 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_046_2556 Plot: 132 Site: SLJK (Thailand) Co.,Ltd.
Date Analysis Commenced: Mar 02, 2023
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	91.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	271	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	72	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

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: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323124

Date Received : Mar 06, 2023
Date Reported : Mar 14, 2023
Report Number : 2580982-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323124-1
Sampled Date: Mar 08, 2023 1:30 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_024_2554 Plot: 23 Site: Thai Beverage Can Co.,Ltd.
Location: Point 2
Date Analysis Commenced: Mar 09, 2023
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, odourless, 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	19.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	119	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

Remark
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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323148

Date Received : Mar 01, 2023
Date Reported : Mar 09, 2023
Report Number : 2581064-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323140-1
Sampled Date: Mar 01, 2023 10:05 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_036_2556 Plot: 133 Site: Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced: Mar 02, 2023
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	280	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	616	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

Remark
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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323174

Date Received : Mar 08, 2023
Date Reported : Mar 15, 2023
Report Number : 2581127-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323174-1
Sampled Date: Mar 08, 2023 10:45 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_056_2556 Plot: 133 Site: Thai Inaba Foods (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced: Mar 09, 2023
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	292	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	716	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangruk หมดอายุวันที่ 1-204-s-7107

Remark
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Technical Management: Siriluk P, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323129

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2580993-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2323129-1
Sampled Date: Mar 02, 2023 11:50 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_026_2554 Plot: 37,38 Site: Thai Nalaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced: Mar 03, 2023
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	30.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	152	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya หมดอายุวันที่ 1-204-s-5414

Remark
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Technical Management: Nam Saseng, Supervisor, หมดอายุวันที่ 1-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323165

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2361105-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323165-1
Sampled Date	Mar 02, 2023 1:40 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_001_2556 Plot 45,46,143 Site Thai Halaya Glass (Thailand) Co.,Ltd
Date Analysis Commenced	Mar 03, 2023
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	75.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	195	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	30.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	41	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขแล็ป I-204-s-5414

Remark
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323173

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2361122-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323173-1
Sampled Date	Mar 02, 2023 10:40 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_009_2560 Plot 70,71,73 Site The Siam Cement (Taikang) Co.,Ltd.
Date Analysis Commenced	Mar 03, 2023
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	49.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	123	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	29.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขแล็ป I-204-s-5414

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: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2323126

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2360992-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323126-1
Sampled Date	Mar 02, 2023 11:26 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_017_2554 Plot 53,60 Site Tikemart (Thailand) Corp.,Ltd.
Date Analysis Commenced	Mar 03, 2023
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	38.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	154	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขแล็ป I-204-s-5414

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: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2323150

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 09, 2023
Date Reported : Mar 16, 2023
Report Number : 2361075-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323150-1
Sampled Date	Mar 09, 2023 10:15 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_061_2556 Plot 147 Site TS Tech (Thailand) Co.,Ltd.
Date Analysis Commenced	Mar 10, 2023
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	39.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	120	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
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, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขแล็ป I-204-s-7107

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323156

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2361083-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323156-1
Sampled Date	Mar 02, 2023 2:06 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_017_2556 Plot 151-152 Site WHA Corporation Public Limited Company
Date Analysis Commenced	Mar 03, 2023
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	11.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	110	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขแล็ป I-204-s-5414

Remark
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323164

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 10, 2023
Date Reported : Mar 16, 2023
Report Number : 2360656-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323164-1
Sampled Date	Mar 02, 2023 9:26 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_012_2554 Plot 4,32 Site Viloony & Boch (Thailand) Co.,Ltd
Date Analysis Commenced	Mar 03, 2023
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	12.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	102	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	64	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Prapot Wanrachkoochai หมายเลขแล็ป I-204-s-7105

Remark
- LOD : Limit of Detection
- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Suwimon Chaiwangsuk, Scientist (2), หมายเลขแล็ป I-204-s-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323163

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 10, 2023
Date Reported : Mar 16, 2023
Report Number : 2360656-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323163-1
Sampled Date	Mar 02, 2023 9:26 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_012_2554 Plot 4,32 Site Viloony & Boch (Thailand) Co.,Ltd
Date Analysis Commenced	Mar 03, 2023
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	12.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	102	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	28.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	64	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Prapot Wanrachkoochai หมายเลขแล็ป I-204-s-7105

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2323135

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 09, 2023
Report Number : 2361006-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323135-1
Sampled Date	Mar 02, 2023 1:53 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_074_2557 Plot 153-154 Site WHA Corporation Public Limited Company
Date Analysis Commenced	Mar 03, 2023
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	61.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	210	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	70	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขแล็ป I-204-s-5414

Remark
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2323136

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Mar 02, 2023
Date Reported : Mar 14, 2023
Report Number : 2361011-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number	2323136-1
Sampled Date	Mar 02, 2023 10:35 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SSL_069_2557 Plot 27(F) Site World Quality Co.,Ltd.
Location	Point 1
Date Analysis Commenced	Mar 09, 2023
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample container 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	122	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpuk
COD	mg/L	-	25	281	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpuk
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpuk
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpuk
Temperature *	Degree C	-	-	29.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpuk
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpuk

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขแล็ป I-204-s-7107

Remark
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Narin Saseng, Supervisor, หมายเลขแล็ป I-204-s-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขแล็ป I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334849

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606836-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334849-1
Sampled Date Apr 12, 2023 11:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_043_2556 **Plot** 93D **Site** Dayu Seat (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	43.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	140	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมดอายุ ๑-๒๓-๖๗๐๙

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334879

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606964-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334879-1
Sampled Date Apr 03, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2560 **Plot** 48,84 **Site** D-HAPPENKING COMPANY LIMITED
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	4.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	39	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุ ๑-๒๓-๖๗๑๔

Remark
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Tanyatorn Mongkongkiewat — Supervisor, หมดอายุ ๑-๒๓-๖๗๒๑
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334818

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606739-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334818-1
Sampled Date Apr 03, 2023 10:43 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_003_2554 **Plot** 54 **Site** D-Rubber Products Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Gray, 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	220	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	437	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	43.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	125	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุ ๑-๒๓-๖๗๑๔

Remark
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334819

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606741-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334819-1
Sampled Date Apr 06, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2554 **Plot** 39 **Site** DSG International (Thailand) PLC.
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Remark
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Technical Management: Nattawadee Somboon — Specialist 1, หมดอายุ ๑-๒๓-๖๗๑๖
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334841

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606813-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334841-1
Sampled Date Apr 06, 2023
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_031_2555 **Plot** 146 **Site** FTN (Saraburi) Co.,Ltd
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, 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	16.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	97	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Remark
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Technical Management: Nattawadee Somboon — Specialist 1, หมดอายุ ๑-๒๓-๖๗๑๖
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334821

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606745-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334821-1
Sampled Date Apr 03, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_006_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 1
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, 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	5.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	62	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Remark
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Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334822

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606743-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334822-1
Sampled Date Apr 03, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 2
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	5.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	61	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Remark
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Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334823

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606750-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334823-1
Sampled Date Apr 03, 2023 9:25 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_008_2554 **Plot** 2 **Site** Guardian Industries Corp Ltd.
Location Point 3
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Remark
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Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334900

Date Received : Apr 05, 2023
Date Reported : Apr 12, 2023
Report Number : 2607031-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Sample Number 2334900-1
Sampled Date Apr 05, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Apr 06, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	34	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1632	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมดอายุ ๑-๒๓-๖๗๐๗

Technical Management: Chanattagorn Imchom — Supervisor, หมดอายุ ๑-๒๓-๖๗๒๐
Approved by: Karokkorn Anek, Senior Manager, หมดอายุ ๑-๒๓-๖๗๑๑

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334900
Date Received : Apr 05, 2023
Date Reported : Apr 11, 2023
Report Number : 260701-1

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.

Sample Number 2334900-1
Sampled Date Apr 05, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_072_2557 **Plot** 86 **Site** Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Apr 06, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromho/cm	-	0.5	2323	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak
Remark :
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor
Approved by: Karokkorn Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334913
Date Received : Apr 05, 2023
Date Reported : Apr 11, 2023
Report Number : 260705-1

Sample Number 2334913-1
Sampled Date Apr 05, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_004_2562 **Plot** 131 **Site** Gulf NPM Co.Ltd.
Date Analysis Commenced Apr 06, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containes 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	4.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	48	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1692	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุที่ 1-204-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-4720
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334910
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 260704-1

Sample Number 2334910-1
Sampled Date Apr 03, 2023 2:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_032_2556 **Plot** 149 **Site** Hygonte (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1748	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Tharwa Janya หมดอายุที่ 1-204-5414
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: Siriluk P. — Siriluk Puangpang, Supervisor
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-4720
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334824
Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 260701-1

Sample Number 2334824-1
Sampled Date Apr 06, 2023 9:23 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_009_2554 **Plot** 43,44 **Site** JCY HDD Technology Co.,Ltd.
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containes comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, 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	6.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	46	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุที่ 1-204-7107
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: Nanthawadee Somboon, Specialist 1
หมดอายุที่ 1-204-4716
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334842
Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 260691-1

Sample Number 2334842-1
Sampled Date Apr 06, 2023 11:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_034_2556 **Plot** 162/1 **Site** Johnan F.Tech (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containes comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a bit 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	136	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	258	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุที่ 1-204-7107
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: Nanthawadee Somboon, Specialist 1
หมดอายุที่ 1-204-4716
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334825
Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 260691-1

Sample Number 2334825-1
Sampled Date Apr 06, 2023 10:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_010_2556 **Plot** 146 **Site** Knauf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, odourless, 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	5.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	36	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุที่ 1-204-7107
Remark :
LOD : Limit of Detection
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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: Nanthawadee Somboon, Specialist 1
หมดอายุที่ 1-204-4716
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334832
Date Received : Apr 07, 2023
Date Reported : Apr 18, 2023
Report Number : 260676-1

Sample Number 2334832-1
Sampled Date Apr 07, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_018_2554 **Plot** 18,82,40 **Site** Maxior Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 08, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	9.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	63	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมดอายุที่ 1-204-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor
หมดอายุที่ 1-204-4720
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2334840
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 260661-1

Sample Number 2334840-1
Sampled Date Apr 03, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_011_2554 **Plot** 65 **Site** Mahsan RDI Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Yellow, a bit 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	71.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	195	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	38	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Tharwa Janya หมดอายุที่ 1-204-5414
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: Siriluk P. — Siriluk Puangpang, Supervisor
หมดอายุที่ 1-204-4720
Approved by: Karokkorn Anek, Senior Manager
หมดอายุที่ 1-204-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334827

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606777-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334827-1
Sampled Date Apr 12, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_013_2554 **Plot** 5,83,92 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	64	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Suthra หมายเลขที่ 1-204-4-661/4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334878

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606960-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334878-1
Sampled Date Apr 12, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_002_2560 **Plot** 17 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	10.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	65	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannadochai หมายเลขที่ 1-204-4-710/4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334859

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606675-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334859-1
Sampled Date Apr 03, 2023 8:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_062_2556 **Plot** 136/1 **Site** Miyago Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	9.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	86	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขที่ 1-204-4-710/7

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334854

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606856-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334854-1
Sampled Date Apr 06, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_048_2556 **Plot** 160,161,162,166,1 **Site** Moto (Thailand) Co.,Ltd.
68
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	3.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	29	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขที่ 1-204-4-710/7

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: Nantawadee Somboon, Specialist 1, หมายเลขที่ 1-204-4-716
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334893

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2607059-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334893-1
Sampled Date Apr 03, 2023 1:25 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2565 **Plot** 6 **Site** Nawaplastic Industries Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	106	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	319	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขที่ 1-204-4-710/7

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334855

Date Received : Apr 05, 2023
Date Reported : Apr 11, 2023
Report Number : 2606858-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334855-1
Sampled Date Apr 05, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_055_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.,Ltd.
Date Analysis Commenced Apr 06, 2023
Condition of Sample Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property Colorless, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	15	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขที่ 1-204-4-710/7

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334894

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2607060-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334894-1
Sampled Date Apr 03, 2023 11:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_067_2565 **Plot** 68 **Site** Nitonichi Food (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมายเลขที่ 1-204-4-54/4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334860

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606676-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334860-1
Sampled Date Apr 12, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_063_2556 **Plot** 93C **Site** Nikon (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	125	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	746	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	130	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Suthra หมายเลขที่ 1-204-4-661/4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334845

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606622-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334845-1
Sampled Date Apr 03, 2023 9:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_040_2556 **Plot** 21 **Site** Kontake SA (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	2.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	31	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมายเลขที่ 1-204-4-54/4

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขที่ 1-204-4-720
Approved by: Karakoon Anek, Senior Manager, หมายเลขที่ 1-204-4-611

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334909

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 11, 2023
Date Reported : Apr 18, 2023
Report Number : 2607038-1

Page 1 of 1

Sample Number : 2334909-1
Sampled Date : Apr 11, 2023 1:20 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_019_2554 Plot : 20 Site : Noritake SCG Plaster Co.,Ltd.
Date Analysis Commenced : Apr 12, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	2.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1084	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Sutha พนักงานเจ้าหน้าที่ > 2014-9-861.4

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: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334898

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2607009-2

Page 1 of 1

Sample Number : 2334898-1
Sampled Date : Apr 03, 2023 1:40 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_053_2554 Plot : 36 Site : Ready Clean Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk พนักงานเจ้าหน้าที่ > 2014-9-7107

Remark :
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Technical Management: Nattheewdee Somboon, Specialist 1, พนักงานเจ้าหน้าที่ > 2014-9-4726
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334898

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2607009-2

Page 1 of 1

Sample Number : 2334898-1
Sampled Date : Apr 03, 2023 1:40 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_053_2554 Plot : 36 Site : Ready Clean Co.,Ltd.
Date Analysis Commenced : Apr 05, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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							
Anionic Surfactant as MBAS	mg/L	0.015	0.05	0.05	≤30	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5540 B, C	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk

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

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Approved by: Nattheewdee Somboon, Specialist 1

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TESTING No.0009

Lot ID: 2334846

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 03, 2023
Date Reported : Apr 18, 2023
Report Number : 2606026-1

Page 1 of 1

Sample Number : 2334846-1
Sampled Date : Apr 03, 2023 1:50 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_041_2554 Plot : 47 Site : RiverPRO Pulp & Paper Company Limited (1st)
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	62.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	307	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	38.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thawa Janya พนักงานเจ้าหน้าที่ > 2014-9-541.4

Remark :
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Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334847

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606028-1

Page 1 of 1

Sample Number : 2334847-1
Sampled Date : Apr 12, 2023 10:05 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_041_2554 Plot : 47 Site : RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced : Apr 12, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	5.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	75	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Sutha พนักงานเจ้าหน้าที่ > 2014-9-861.4

Remark :
LOD : Limit of Detection
"<" : 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: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334853

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606055-1

Page 1 of 1

Sample Number : 2334853-1
Sampled Date : Apr 03, 2023 11:05 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_047_2556 Plot : 138 Site : Rohm Mechatech (Thailand) Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	31.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	123	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	37	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk พนักงานเจ้าหน้าที่ > 2014-9-7107

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: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334877

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606056-1

Page 1 of 1

Sample Number : 2334877-1
Sampled Date : Apr 12, 2023 11:55 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_001_2560 Plot : 91 Site : SCG Ceramics Co.,Ltd.
Date Analysis Commenced : Apr 12, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	3.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	27	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Sutha พนักงานเจ้าหน้าที่ > 2014-9-861.4

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: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334837

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606022-1

Page 1 of 1

Sample Number : 2334837-1
Sampled Date : Apr 12, 2023 11:25 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_025_2554 Plot : 19,41 Site : SCG Roofing Co.,Ltd
Date Analysis Commenced : Apr 12, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Yellow, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	51	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	8.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kanchai Sutha พนักงานเจ้าหน้าที่ > 2014-9-861.4

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: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334828

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606079-1

Page 1 of 1

Sample Number : 2334828-1
Sampled Date : Apr 03, 2023 11:05 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_015_2556 Plot : 61,62 Site : SEKI Corp.(Thailand) Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	88	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thawa Janya พนักงานเจ้าหน้าที่ > 2014-9-541.4

Remark :
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Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, พนักงานเจ้าหน้าที่ > 2014-9-4720
Approved by: Karnokkom Anek, Senior Manager, พนักงานเจ้าหน้าที่ > 2014-9-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334857

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606667-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number	2334857-1
Sampled Date	Apr 03, 2023 11:30 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_057_2556 Plot 66 Site Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced	Apr 04, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
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	3.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	37.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Jariya หมายเลขแล้ว I-204-s-5414

Remark :
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Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, หมายเลขแล้ว I-204-s-4720
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334850

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606839-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number	2334850-1
Sampled Date	Apr 06, 2023 11:20 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_071_2557 Plot 144,145 Site Sekisui-SCG Industrial Co.,Ltd.
Location	Point 1
Date Analysis Commenced	Apr 07, 2023
Condition of Sample (APHA, USEPA)	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards
Physical Property	Yellow, odourless, 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	2.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขแล้ว I-204-s-7107

Remark :
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Technical Management: Nantheawdee Somboon, Specialist 1, หมายเลขแล้ว I-204-s-4716
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334861

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606677-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number	2334861-1
Sampled Date	Apr 03, 2023 11:15 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_068_2557 Plot 59 Site Shibaura (Thailand) Co.,Ltd.
Location	Point 2
Date Analysis Commenced	Apr 04, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	50	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Jariya หมายเลขแล้ว I-204-s-5414

Remark :
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"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, หมายเลขแล้ว I-204-s-4720
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334867

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606915-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number	2334867-1
Sampled Date	Apr 06, 2023 10:00 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_081_2557 Plot 150 Site Shiwentech (DWCT Co.,Ltd.)
Date Analysis Commenced	Apr 07, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขแล้ว I-204-s-7107

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Technical Management: Nantheawdee Somboon, Specialist 1, หมายเลขแล้ว I-204-s-4716
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334901

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2607012-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number	2334901-1
Sampled Date	Apr 03, 2023 2:10 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_052_2554 Plot 8 Site Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced	Apr 04, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
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	16.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	103	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Formaldehyde *	mg/L	0.03	0.1	0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขแล้ว I-204-s-7107

Remark :
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Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, หมายเลขแล้ว I-204-s-4720
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334903

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2607034-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 2

Sample Number	2334903-1
Sampled Date	Apr 12, 2023 10:00 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_050_2554 Plot 69 Site Siam Furukawa Co.,Ltd. (2nd)
Date Analysis Commenced	Apr 12, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
Physical Property	Yellow, odourless, some solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.01	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	30	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	560	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Siriluk P. — Siriluk Puengpang, Supervisor, หมายเลขแล้ว I-204-s-4720
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334903

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2607034-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 2 of 2

Sampling By : Kamchai Suttha หมายเลขแล้ว I-204-s-8614

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: Siriluk P. — Siriluk Puengpang, Supervisor, หมายเลขแล้ว I-204-s-4720
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334902

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2607013-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 2

Sample Number	2334902-1
Sampled Date	Apr 03, 2023 9:30 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_030_2554 Plot 69 Site Siam Furukawa Co.,Ltd.(1st)
Date Analysis Commenced	Apr 04, 2023
Condition of Sample (APHA, USEPA)	Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards
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	0.02	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	964	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N. — Sawitree Nisangram, Manager, หมายเลขแล้ว I-204-s-4709
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334902

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2607013-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 2 of 2

Sampling By : Thanwa Jariya หมายเลขแล้ว I-204-s-5414

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: Sawitree N. — Sawitree Nisangram, Manager, หมายเลขแล้ว I-204-s-4709
Approved by: Karnkokorn Anek, Senior Manager, หมายเลขแล้ว I-204-s-6111

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

Analysis / Test Report

TESTING
No.0009
Lot ID: 2334884
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606976-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334884-1
Sampled Date : Apr 03, 2023 9:10 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_010_2360 Plot : 31 Site : Siam Furukawa Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	71	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุวันที่ 1-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Tanyatorn Mongkonjaravut, Supervisor, หมดอายุวันที่ 1-204-s-4719
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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

Analysis / Test Report

TESTING
No.0009
Lot ID: 2334835
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606799-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334835-1
Sampled Date : Apr 03, 2023 9:38 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_022_2554 Plot : 55 Site : Siam Furukawa Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	88.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	184	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	32.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุวันที่ 1-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334829
Date Received : Apr 05, 2023
Date Reported : Apr 11, 2023
Report Number : 2606760-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334829-1
Sampled Date : Apr 05, 2023 11:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_016_2554 Plot : 9,15 Site : Siam Gypsum Industry (Saraburi) Co.Ltd.
Location : Factory 1
Date Analysis Commenced : Apr 06, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Colorless, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หมดอายุวันที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334831
Date Received : Apr 06, 2023
Date Reported : Apr 11, 2023
Report Number : 2606783-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334831-1
Sampled Date : Apr 06, 2023 9:35 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_017_2554 Plot : 42,79,98 Site : Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location : Factory 2
Date Analysis Commenced : Apr 07, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	76.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	196	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	114	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หมดอายุวันที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Nantheneedee Somboon, Specialist 1, หมดอายุวันที่ 1-204-s-4716
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334833
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606793-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334833-1
Sampled Date : Apr 03, 2023 10:15 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_020_2554 Plot : 74 Site : Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)
Physical Property : Green, 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	23.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	122	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	41	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุวันที่ 1-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334834
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606794-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334834-1
Sampled Date : Apr 03, 2023 10:35 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_021_2554 Plot : 56 Site : Siam Toto. Ceramics Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	23.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	136	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	124	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya หมดอายุวันที่ 1-204-s-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334852
Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606845-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334852-1
Sampled Date : Apr 03, 2023 11:25 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_046_2556 Plot : 132 Site : SLN (Thailand) Co.,Ltd.
Date Analysis Commenced : Apr 04, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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	45.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	158	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หมดอายุวันที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334836
Date Received : Apr 04, 2023
Date Reported : Apr 11, 2023
Report Number : 2606801-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334836-1
Sampled Date : Apr 04, 2023 11:30 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_024_2554 Plot : 23 Site : Thai Beverage Can Co.,Ltd.
Location : Plant 2
Date Analysis Commenced : Apr 05, 2023
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, odourless, 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	9.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	61	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
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, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หมดอายุวันที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Suwimon Charoenpiet, Scientist (3), หมดอายุวันที่ 1-204-s-5417
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING
No.0009
Lot ID: 2334856
Date Received : Apr 05, 2023
Date Reported : Apr 11, 2023
Report Number : 2606859-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2334856-1
Sampled Date : Apr 05, 2023 10:45 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_056_2556 Plot : 133 Site : Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced : Apr 06, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangpli
COD	mg/L	-	25	343	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangpli
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangpli
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangpli
Temperature *	Degree C	-	-	34.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangpli
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	47	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangpli

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หมดอายุวันที่ 1-204-s-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk Puangpang, Supervisor, หมดอายุวันที่ 1-204-s-4720
Approved by: Karoklkorn Anek, Senior Manager, หมดอายุวันที่ 1-204-e-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334872

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606944-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334872-1
Sampled Date Apr 03, 2023 2:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2350 **Plot** 45,46,143 **Site** Thai Malaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	49.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	144	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya ห่วยละเอียดที่ v-204-s-5414

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: Tanyatorn Monglanjaravut, Supervisor, หวยละเอียดที่ v-204-s-4719
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334907

Date Received : Apr 11, 2023
Date Reported : Apr 18, 2023
Report Number : 2607036-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334907-1
Sampled Date Apr 11, 2023 1:40 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_054_2554 **Plot** 7,141 **Site** Thai Rayon Public Limited Company
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	60.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	187	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	0.6	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (E, F)	Bangkok
Temperature *	Degree C	-	-	42.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamdrak Suttha หวยละเอียดที่ v-204-s-8614

Remark
LOD : Limit of Detection
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Technical Management: Siriluk Puengpang, Supervisor, หวยละเอียดที่ v-204-s-4720
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334907

Date Received : Apr 11, 2023
Date Reported : Apr 18, 2023
Report Number : 2607036-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

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Technical Management: Siriluk Puengpang, Supervisor, หวยละเอียดที่ v-204-s-4720
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334882

Date Received : Apr 03, 2023
Date Reported : Apr 10, 2023
Report Number : 2606970-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334882-1
Sampled Date Apr 03, 2023 1:25 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2360 **Plot** 70,71,73 **Site** The Siam Cement (Tatsang) Co.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	2.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	40	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya ห่วยละเอียดที่ v-204-s-5414

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: Tanyatorn Monglanjaravut, Supervisor, หวยละเอียดที่ v-204-s-4719
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334838

Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2606006-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334838-1
Sampled Date Apr 03, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_027_2554 **Plot** 53,60 **Site** Tilement (Thailand) Corp.,Ltd.
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	14.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	105	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanee Jariya ห่วยละเอียดที่ v-204-s-5414

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: Narthawadee Somboon, Specialist 1, หวยละเอียดที่ v-204-s-4716
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334858

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606874-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334858-1
Sampled Date Apr 06, 2023 10:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_061_2536 **Plot** 147 **Site** TS Tech (Thailand) Co.,Ltd.
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	92	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puengsuk หวยละเอียดที่ v-204-s-7107

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: Narthawadee Somboon, Specialist 1, หวยละเอียดที่ v-204-s-4716
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334826

Date Received : Apr 11, 2023
Date Reported : Apr 18, 2023
Report Number : 2606773-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334826-1
Sampled Date Apr 11, 2023 11:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_012_2554 **Plot** 4,32 **Site** Villeroy & Boch (Thailand) Co.Ltd
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	5.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	59	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamdrak Suttha หวยละเอียดที่ v-204-s-8614

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: Siriluk Puengpang, Supervisor, หวยละเอียดที่ v-204-s-4720
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334862

Date Received : Apr 12, 2023
Date Reported : Apr 18, 2023
Report Number : 2606879-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334862-1
Sampled Date Apr 12, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_075_2557 **Plot** 93A/1 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Apr 12, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	5.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	45	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Kamdrak Suttha หวยละเอียดที่ v-204-s-8614

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: Siriluk Puengpang, Supervisor, หวยละเอียดที่ v-204-s-4720
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2334864

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606881-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2334864-1
Sampled Date Apr 06, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_037_2536 **Plot** 151-152 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	68.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	132	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puengsuk หวยละเอียดที่ v-204-s-7107

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: Narthawadee Somboon, Specialist 1, หวยละเอียดที่ v-204-s-4716
Approved by: Karokkorn Anek, Senior Manager, หวยละเอียดที่ v-204-s-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2334843

Date Received : Apr 06, 2023
Date Reported : Apr 12, 2023
Report Number : 2606818-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334843-1
Sampled Date Apr 06, 2023 9:43 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_074_2557 **Plot** 153-154 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Apr 07, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	13.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	75	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-ปฏิห-ว-7027

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
Nantawadee Somboon
Specialist 1
หน่วยงานที่ ว-ปฏิห-ว-4716

Approved by
Kanokkorn Anak
Senior Manager
หน่วยงานที่ ว-ปฏิห-ว-6113

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2334844

Date Received : Apr 03, 2023
Date Reported : Apr 11, 2023
Report Number : 2606820-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2334844-1
Sampled Date Apr 03, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_069_2557 **Plot** 27(F) **Site** World Quality Co.,Ltd.
Location Point 1
Date Analysis Commenced Apr 04, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	13.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	101	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-ปฏิห-ว-7027

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
Nantawadee Somboon
Specialist 1
หน่วยงานที่ ว-ปฏิห-ว-4716

Approved by
Kanokkorn Anak
Senior Manager
หน่วยงานที่ ว-ปฏิห-ว-6113

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348548

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 13, 2023
Date Reported : May 18, 2023
Report Number : 2637045-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348548-1
Sampled Date May 13, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2554 Plot 1 Site Air Liquide (Thailand) Co.Ltd.
Date Analysis Commenced May 13, 2023
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	3.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	71	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	9.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348581

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 13, 2023
Date Reported : May 18, 2023
Report Number : 2637135-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348581-1
Sampled Date May 13, 2023 11:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_043_2556 Plot 93D Site Daiyu Seat (Thailand) Co.Ltd.
Date Analysis Commenced May 13, 2023
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, odourless, 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	69.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	202	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	44	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348609

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 16, 2023
Report Number : 2637233-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348609-1
Sampled Date May 11, 2023 1:45 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2560 Plot 46,84 Site D-HAPPENING COMPANY LIMITED
Date Analysis Commenced May 12, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards
Physical Property Yellow, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348551

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637050-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348551-1
Sampled Date May 11, 2023 2:50 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2554 Plot 39 Site DSG International (Thailand) PLC.
Date Analysis Commenced May 12, 2023
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, odourless, no 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348573

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637119-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348573-1
Sampled Date May 11, 2023 2:16 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_031_2555 Plot 148 Site FTN (Saraburi) Co.,Ltd
Date Analysis Commenced May 12, 2023
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, 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	17.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	104	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348553

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637033-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348553-1
Sampled Date May 11, 2023 11:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2554 Plot 77,78 Site Fujikoki Corporation
Date Analysis Commenced May 12, 2023
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, odourless, no 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	4.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	38	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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TESTING No.0009

Lot ID: 2348554

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 08, 2023
Date Reported : May 15, 2023
Report Number : 2637057-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348554-1
Sampled Date May 08, 2023 1:25 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_006_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 1
Date Analysis Commenced May 09, 2023
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, odourless, no 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	5.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	43	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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TESTING No.0009

Lot ID: 2348555

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 08, 2023
Date Reported : May 15, 2023
Report Number : 2637058-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348555-1
Sampled Date May 08, 2023 1:40 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 2
Date Analysis Commenced May 09, 2023
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, odourless, 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	5.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	46	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348556

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrado Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 08, 2023
Date Reported : May 15, 2023
Report Number : 2637059-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2348556-1
Sampled Date May 08, 2023 1:10 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_008_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 3
Date Analysis Commenced May 09, 2023
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, odourless, no 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	4.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	30	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.7	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-7107

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: Narin Saiseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkorn Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348630

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637284-1

Page 1 of 1

Sample Number : 2348630-1
Sampled Date : May 11, 2023
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_072_2557 Plot : 86 Site : Gulf JP NX2 Co.,Ltd.
Date Analysis Commenced : May 12, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 3500-Cr B	Bangkok
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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1584	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)

Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ ว-204-ห-4720
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348630

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637284-2

Page 1 of 1

Sample Number : 2348630-1
Sampled Date : May 11, 2023
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_072_2557 Plot : 86 Site : Gulf JP NX2 Co.,Ltd.
Date Analysis Commenced : May 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	2143	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)

Technical Management: Siriluk P. — Siriluk Puangpang, Supervisor
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Approved by: Siriluk P. — Siriluk Puangpang, Supervisor

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348641

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 09, 2023
Date Reported : May 16, 2023
Report Number : 2637508-1

Page 1 of 1

Sample Number : 2348641-1
Sampled Date : May 09, 2023 10:30 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_004_2562 Plot : 131 Site : Gulf NPM Co.,Ltd.
Date Analysis Commenced : May 16, 2023
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, 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	3.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	44	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2360	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-204-ห-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ ว-204-ห-4720
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348639

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 05, 2023
Date Reported : May 12, 2023
Report Number : 2637394-1

Page 1 of 1

Sample Number : 2348639-1
Sampled Date : May 05, 2023 10:15 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_032_2556 Plot : 149 Site : Hygenie (Thailand) Co.,Ltd. (2st)
Date Analysis Commenced : May 06, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	760	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-204-ห-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Narin Saiseng, Supervisor, หน่วยงานที่ ว-204-ห-4715
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348640

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637505-1

Page 1 of 1

Sample Number : 2348640-1
Sampled Date : May 11, 2023 10:45 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_032_2556 Plot : 149 Site : Hygenie (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced : May 12, 2023
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, odourless, no 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	900	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-204-ห-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ ว-204-ห-4720
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348557

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637060-1

Page 1 of 1

Sample Number : 2348557-1
Sampled Date : May 10, 2023
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_009_2554 Plot : 43,44 Site : JCY HCO Technology Co.,Ltd.
Date Analysis Commenced : May 11, 2023
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, odourless, no 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	3.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Narin Saiseng, Supervisor, หน่วยงานที่ ว-204-ห-4715
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348574

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637121-1

Page 1 of 1

Sample Number : 2348574-1
Sampled Date : May 11, 2023 11:35 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_034_2556 Plot : 142/1 Site : Johnan F. Tech (Thailand) Co.,Ltd.
Date Analysis Commenced : May 12, 2023
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, a lot of 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	119	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	283	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	55	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-204-ห-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Narin Saiseng, Supervisor, หน่วยงานที่ ว-204-ห-4715
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348558

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637063-1

Page 1 of 1

Sample Number : 2348558-1
Sampled Date : May 11, 2023 11:45 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SIL_010_2556 Plot : 146 Site : Kneuf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced : May 12, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	38	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpuk หน่วยงานที่ ว-204-ห-7107
Remark
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) ; LOR (Limit of Reporting)
Analysis 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: Natthawadee Somboon, Specialist 1, หน่วยงานที่ ว-204-ห-4726
Approved by: Karnkakorn Anek, Senior Manager, หน่วยงานที่ ว-204-ห-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348564

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637097-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348564-2
Sampled Date May 12, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_018_2554 **Plot** 18,62,40 **Site** Maxion Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	14.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	89	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	38.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348572

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 12, 2023
Date Reported : May 17, 2023
Report Number : 2637118-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348572-1
Sampled Date May 12, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_011_2554 **Plot** 65 **Site** Michelin KDH Co.,Ltd
Date Analysis Commenced May 13, 2023
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, 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	16.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	106	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Life Sciences RIGHT SOLUTIONS RIGHT PARTNER

Analysis / Test Report

TESTING No.0009

Lot ID: 2348560

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637089-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348560-1
Sampled Date May 12, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_013_2554 **Plot** 5,63,92 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	13.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	37.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348608

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637231-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348608-1
Sampled Date May 12, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_002_2560 **Plot** 17 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	136	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	271	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	36.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2351055

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 16, 2023
Report Number : 2642802-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2351055-1
Sampled Date May 11, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_003_2566 **Plot** 135 **Site** Miyago Industry (Thailand) Co.,Ltd.
Date Analysis Commenced May 12, 2023
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	64.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	138	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348586

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637167-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348586-1
Sampled Date May 11, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_048_2556 **Plot** 60,61,62,66,68 **Site** Muto (Thailand) Co.,Ltd.
Date Analysis Commenced May 12, 2023
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 bit of odour, a bit of solid, and a bit 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	52.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	130	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348623

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637319-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348623-1
Sampled Date May 12, 2023 11:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_005_2565 **Plot** 6 **Site** Navaplastic Industries Co.,Ltd.
Date Analysis Commenced May 13, 2023
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 bit 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	56.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	192	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	47	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมายเลขพนักงาน 1-204-n-7109

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: Suwimon C. — Suwimon Chanangwut, Senior Manager, หมายเลขพนักงาน 1-204-n-5417
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348587

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 03, 2023
Date Reported : May 11, 2023
Report Number : 2637169-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348587-1
Sampled Date May 03, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_055_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.,Ltd.
Date Analysis Commenced May 05, 2023
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, odourless, 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Suwimon C. — Suwimon Chanangwut, Scientist (3), หมายเลขพนักงาน 1-204-n-5417
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348624

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongkiakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637321-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348624-1
Sampled Date May 10, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_007_2565 **Plot** 68 **Site** Nihonichi Food (Thailand) Co.,Ltd.
Date Analysis Commenced May 11, 2023
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, odourless, no 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. 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak หมายเลขพนักงาน 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขพนักงาน 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขพนักงาน 1-204-n-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348592

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637180-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348592-1
Sampled Date : May 12, 2023 1:45 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_063_2556 Plot : 93C Site : Nikon (Thailand) Co.,Ltd.
Date Analysis Commenced : May 13, 2023
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	84.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	181	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Tharwa Jariyawisuwanyuth v-204-v-5414
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: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ v-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348577

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637128-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348577-1
Sampled Date : May 11, 2023 2:00 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_040_2556 Plot : 21 Site : Nontake SA (Thailand) Co.,Ltd.
Date Analysis Commenced : May 12, 2023
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	81.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	166	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Nern Saseng, Supervisor, หน่วยงานที่ v-204-v-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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

Analysis / Test Report

TESTING
No.0009

Lot ID: 2348638

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637301-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348638-1
Sampled Date : May 11, 2023 1:30 PM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_019_2554 Plot : 20 Site : Nontake SCG Plaster Co.,Ltd.
Date Analysis Commenced : May 12, 2023
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, 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	16.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	72	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1896	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ v-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348611

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637291-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348611-1
Sampled Date : May 12, 2023 10:30 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_008_2560 Plot : 142/4 Site : NX SHOJI (THAILAND) CO.,LTD.
Date Analysis Commenced : May 13, 2023
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	72.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	280	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	116	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Suwimon C. — Suwimon Chainuangnut, Scientist (3), หน่วยงานที่ v-204-v-5417
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348629

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637280-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348629-1
Sampled Date : May 12, 2023 11:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_053_2554 Plot : 36 Site : Ready Clean Co.,Ltd.
Date Analysis Commenced : May 13, 2023
Condition of Sample : Contained in one amber glass bottle and four plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	42	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หน่วยงานที่ v-204-v-7109
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: Suwimon C. — Suwimon Chainuangnut, Scientist (3), หน่วยงานที่ v-204-v-5417
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348629

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637280-2
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348629-1
Sampled Date : May 12, 2023 11:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_053_2554 Plot : 36 Site : Ready Clean Co.,Ltd.
Date Analysis Commenced : May 15, 2023
Condition of Sample : Contained in one amber glass bottle and four plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Anionic Surfactant as MBAS	mg/L	0.015	0.05	0.26	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5540 B, C	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai
Remark :
LOD : Limit of Detection
"<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

The above results are only for the analysed/tested samples as indicated in this report. No part of this report or certificate 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.

Approved by: Suwimon C. — Suwimon Chainuangnut, Scientist (3)

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348578

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 05, 2023
Date Reported : May 12, 2023
Report Number : 2637129-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348578-1
Sampled Date : May 05, 2023 10:05 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_041_2554 Plot : 47 Site : RiverPRO Pulp & Paper Company Limited (1st)
Date Analysis Commenced : May 06, 2023
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	17.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	85	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Nern Saseng, Supervisor, หน่วยงานที่ v-204-v-4715
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2348579

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637130-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348579-1
Sampled Date : May 10, 2023 11:00 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_041_2554 Plot : 47 Site : RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced : May 11, 2023
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, 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	4.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	44	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Siriluk P. — Siriluk Puangpang, Supervisor, หน่วยงานที่ v-204-v-4720
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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

Analysis / Test Report

TESTING
No.0009

Lot ID: 2348585

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : May 03, 2023
Date Reported : May 11, 2023
Report Number : 2637162-1
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number : 2348585-1
Sampled Date : May 03, 2023 9:40 AM
Sample Description : Group 2 Wastewater WW-CT
Contract ID : SSL_047_2556 Plot : 138 Site : Rohm Mechatech (Thailand) Co.,Ltd.
Date Analysis Commenced : May 05, 2023
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. 23rd ed., 2017. part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	56	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *	-	-	-	8.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ v-204-v-7107
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: Suwimon C. — Suwimon Chainuangnut, Scientist (3), หน่วยงานที่ v-204-v-5417
Approved by: Kanokkorn Anek, Senior Manager, หน่วยงานที่ v-204-v-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2348607

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637230-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348607-1
Sampled Date May 12, 2023 11:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_001_2560 **Plot** 91 **Site** SCG Ceramics Co.,Ltd.
Date Analysis Commenced May 13, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348549

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637046-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348549-1
Sampled Date May 12, 2023 11:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_002_2554 **Plot** 10,11 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced May 13, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	11.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	* 66	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	70	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai ระเบียบเลขที่ 1-204-4-7106

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2348569

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637116-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348569-1
Sampled Date May 12, 2023 3:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_025_2554 **Plot** 15,41 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced May 13, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	35	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348561

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637090-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348561-1
Sampled Date May 10, 2023
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_015_2556 **Plot** 61,62 **Site** SDX Corp (Thailand) Co.,Ltd.
Date Analysis Commenced May 11, 2023
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, 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	6.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	53	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348589

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637176-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348589-1
Sampled Date May 10, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_057_2556 **Plot** 66 **Site** Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced May 11, 2023
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, odourless, no 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348582

Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637139-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348582-1
Sampled Date May 11, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_071_2557 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Point 1
Date Analysis Commenced May 12, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348583

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637146-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348583-1
Sampled Date May 11, 2023 12:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_065_2558 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Point 3
Date Analysis Commenced May 12, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	27	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2348593

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637184-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348593-1
Sampled Date May 10, 2023 9:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_066_2557 **Plot** 59 **Site** Shibaura (Thailand) Co.,Ltd.
Location Point 2
Date Analysis Commenced May 11, 2023
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, 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	13.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	91	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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

Analysis / Test Report

TESTING No.0009

Lot ID: 2348599

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637153-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Page 1 of 1

Sample Number 2348599-1
Sampled Date May 11, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_081_2557 **Plot** 150 **Site** Shinetech (TWCT Co.,Ltd.)
Date Analysis Commenced May 12, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ระเบียบเลขที่ 1-204-4-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, ระเบียบเลขที่ 1-204-4-4720
Approved by: Karnkakorn Anek — Karnkakorn Anek, Senior Manager, ระเบียบเลขที่ 1-204-4-6111

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348632
Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637286-1

Sample Number 2348632-1
Sampled Date May 12, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_052_2554 **Plot** 8 **Site** Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced May 13, 2023
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, 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	63.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	168	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Formaldehyde *	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	35.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมายเลขพนักงาน >204->7109

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: Siriluk P. — Siriluk Puengjang, Supervisor, หมายเลขพนักงาน > 204->4720
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348634
Date Received : May 12, 2023
Date Reported : May 19, 2023
Report Number : 2637297-1

Sample Number 2348634-1
Sampled Date May 12, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_030_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd. (2nd)
Date Analysis Commenced May 13, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.02	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 3128 B, 3030 F	Bangkok
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. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1220	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2540 C	Bangkok
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. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Suwimon C — Suwimon Chainuangwut, Scientist (3), หมายเลขพนักงาน >204->5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348634
Date Received : May 12, 2023
Date Reported : May 19, 2023
Report Number : 2637297-1

Sampling By : Thamma Janya หมายเลขพนักงาน >204->5414

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: Suwimon C — Suwimon Chainuangwut, Scientist (3), หมายเลขพนักงาน >204->5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348633
Date Received : May 05, 2023
Date Reported : May 12, 2023
Report Number : 2637293-1

Sample Number 2348633-1
Sampled Date May 05, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_050_2554 **Plot** 69 **Site** Siam Furukawa Co.,Ltd.(1st)
Date Analysis Commenced May 06, 2023
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, odourless, some solid and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.05	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 3128 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	33	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	580	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2540 C	Bangkok
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. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N — Sawitree Noisangiam, Manager, หมายเลขพนักงาน >204->4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348633
Date Received : May 05, 2023
Date Reported : May 12, 2023
Report Number : 2637293-1

Sampling By : Teerawet Puengsuk หมายเลขพนักงาน >204->7107

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: Sawitree N — Sawitree Noisangiam, Manager, หมายเลขพนักงาน >204->4709
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348633
Date Received : May 12, 2023
Date Reported : May 19, 2023
Report Number : 2637293-1

Sampling By : Thamma Janya หมายเลขพนักงาน >204->5414

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: Suwimon C — Suwimon Chainuangwut, Scientist (3), หมายเลขพนักงาน >204->5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348632
Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637286-1

Sample Number 2348632-1
Sampled Date May 12, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_052_2554 **Plot** 8 **Site** Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced May 13, 2023
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, 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	150	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	322	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	33.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	65	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

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: Siriluk P. — Siriluk Puengjang, Supervisor, หมายเลขพนักงาน > 204->4720
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348562
Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637051-1

Sample Number 2348562-1
Sampled Date May 12, 2023 1:20 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_016_2554 **Plot** 5,15 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 1
Date Analysis Commenced May 13, 2023
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. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	33.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
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. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Prapot Wannachoochai หมายเลขพนักงาน > 204->7109

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: Siriluk P. — Siriluk Puengjang, Supervisor, หมายเลขพนักงาน > 204->4720
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Lot ID: 2348563
Date Received : May 11, 2023
Date Reported : May 17, 2023
Report Number : 2637099-1

Sample Number 2348563-1
Sampled Date May 11, 2023
Sample Description Group 2 Wastewater WW-CT
Contract ID SSL_017_2554 **Plot** 42,79,98 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 2
Date Analysis Commenced May 12, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
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. 23rd ed., 2017; part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	244	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	120	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017; part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

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: Nam Saeang — Nam Saeang, Supervisor, หมายเลขพนักงาน >204->4755
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน >204->6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348617

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637269-1

Page 1 of 1

Sample Number 2348617-1
Sampled Date May 12, 2023 1:35 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2562 Plot 63 Site Siam Hanamanaki Co.,Ltd.
Location (sao 59)
Date Analysis Commenced May 13, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA/USEPA)
Physical Property White, 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	382	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	706	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	81	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Prapot Wannachoochai หมายเลขที่ I-204-n-7109

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: Suwiman C, Suwiman Chainangrut, Scientist (3), หมายเลขที่ I-204-n-5417
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348565

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637:(0:-1

Page 1 of 1

Sample Number 2348565-1
Sampled Date May 12, 2023 10:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_020_2554 Plot 74 Site Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	6.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	49	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348566

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637:03-1

Page 1 of 1

Sample Number 2348566-1
Sampled Date May 12, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_021_2554 Plot 56 Site Siam Totau Ceramics Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	38.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	127	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	151	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya หมายเลขที่ I-204-n-5414

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348584

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 16, 2023
Date Reported : May 17, 2023
Report Number : 2637:60-1

Page 1 of 1

Sample Number 2348584-1
Sampled Date May 16, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_046_2556 Plot 132 Site SLTK (Thailand) Co.,Ltd.
Date Analysis Commenced May 17, 2023
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, a lot of 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, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	193	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	63	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348568

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637:08-1

Page 1 of 1

Sample Number 2348568-1
Sampled Date May 12, 2023 1:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_024_2554 Plot 23 Site Thai Beverage Can Co.,Ltd.
Location Port 2
Date Analysis Commenced May 13, 2023
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, no 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	8.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	126	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Prapot Wannachoochai หมายเลขที่ I-204-n-7109

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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TESTING No.0009

Lot ID: 2348588

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 03, 2023
Date Reported : May 11, 2023
Report Number : 2637:73-1

Page 1 of 1

Sample Number 2348588-1
Sampled Date May 03, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_056_2556 Plot 133 Site Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced May 05, 2023
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	253	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	566	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	36.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Suwiman C, Suwiman Chainangrut, Supervisor, Scientist (3), หมายเลขที่ I-204-n-5417
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348613

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637247:-

Page 1 of 1

Sample Number 2348613-1
Sampled Date May 10, 2023 10:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_056_2556 Plot 133 Site Thai Inaba Foods ("Thailand) Co.Ltd. (2nd)
Date Analysis Commenced May 11, 2023
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	193	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	572	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	58	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348571

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 03, 2023
Date Reported : May 17, 2023
Report Number : 2637:13-1

Page 1 of 1

Sample Number 2348571-1
Sampled Date May 03, 2023 10:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_026_2554 Plot 37,38 Site Thai Malaya Glass (Thailand) Co.Ltd.
Date Analysis Commenced May 05, 2023
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	16.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	106	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348604

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrai Road, Nongplamon, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SSL

Date Received : May 03, 2023
Date Reported : May 17, 2023
Report Number : 2637:73-1

Page 1 of 1

Sample Number 2348604-1
Sampled Date May 03, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2556 Plot 45,46,143 Site Thai Malaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced May 05, 2023
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	67.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	132	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk หมายเลขที่ I-204-n-7107

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: Siriluk P, Siriluk Puangpang, Supervisor, หมายเลขที่ I-204-n-4720
Approved by: Karokkorn Anek, Senior Manager, หมายเลขที่ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348635

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637296-1

Page 1 of 2

Sample Number 2348635-1
Sampled Date May 12, 2023 9:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_054_2554 **Plot** 7,141 **Site** Thai Rayon Public Limited Company
Date Analysis Commenced May 13, 2023
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, odourless, 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	5.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	37	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	38.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

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

Technical Management: Suwimon C — Suwimon Chainuangrut, Scientist (3), พบ.ปฏิบัติการที่ ว-204-ว-5417
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348635

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637296-1

Page 2 of 2

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

Technical Management: Suwimon C — Suwimon Chainuangrut, Scientist (3), พบ.ปฏิบัติการที่ ว-204-ว-5417
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348612

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637245-1

Page 1 of 1

Sample Number 2348612-1
Sampled Date May 12, 2023 1:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2560 **Plot** 70,71,73 **Site** The Siam Cement (Tatkang) Co.,Ltd.
Date Analysis Commenced May 13, 2023
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	9.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	80	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya พบ.ปฏิบัติการที่ ว-204-ว-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Suwimon C — Suwimon Chainuangrut, Scientist (3), พบ.ปฏิบัติการที่ ว-204-ว-5417
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348570

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 16, 2023
Report Number : 2637:12-1

Page 1 of 1

Sample Number 2348570-1
Sampled Date May 12, 2023 11:43 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_027_2554 **Plot** 53,60 **Site** "Element (Thailand) Corp.Ltd.
Date Analysis Commenced May 13, 2023
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	16.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	104	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya พบ.ปฏิบัติการที่ ว-204-ว-5414

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk P — Siriluk Puangpang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4720
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348590

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637:79-1

Page 1 of 1

Sample Number 2348590-1
Sampled Date May 11, 2023 2:25 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_061_2556 **Plot** 147 **Site** "S Tech (Thailand) Co.Ltd.
Date Analysis Commenced May 12, 2023
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, 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	60.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	133	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk P — Siriluk Puangpang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4720
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348559

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 10, 2023
Date Reported : May 17, 2023
Report Number : 2637065-1

Page 1 of 1

Sample Number 2348559-1
Sampled Date May 10, 2023 1:40 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_012_2554 **Plot** 4,22 **Site** Villeroy & Boch (Thailand) Co.,Ltd
Date Analysis Commenced May 11, 2023
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, 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	3.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	33	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Narin Saeang — Narin Saeang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4715
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348594

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637:85-1

Page 1 of 1

Sample Number 2348594-1
Sampled Date May 12, 2023 11:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_075_2557 **Plot** 53A1 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced May 13, 2023
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, 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	52.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	129	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Siriluk P — Siriluk Puangpang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4720
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348596

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 11, 2023
Date Reported : May 18, 2023
Report Number : 2637:88-1

Page 1 of 1

Sample Number 2348596-1
Sampled Date May 11, 2023 10:25 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_027_2556 **Plot** 15 - 152 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced May 12, 2023
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, 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	15.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	85	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk P — Siriluk Puangpang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4720
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2348576

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : May 12, 2023
Date Reported : May 18, 2023
Report Number : 2637:24-1

Page 1 of 1

Sample Number 2348576-1
Sampled Date May 12, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_069_2557 **Plot** 27(F) **Site** World Quality Co.,Ltd.
Location Point 3
Date Analysis Commenced May 13, 2023
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	79.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	237	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พบ.ปฏิบัติการที่ ว-204-ว-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management: Siriluk P — Siriluk Puangpang, Supervisor, พบ.ปฏิบัติการที่ ว-204-ว-4720
Approved by: Kanokkorn Anek — Senior Manager, พบ.ปฏิบัติการที่ ว-204-ว-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361913

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666163-1

Page 1 of 1

Sample Number 2361913-1
Sampled Date Jun 13, 2023 11:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2554 Plot 1 Site Air Liquide (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	12.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	80	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk ทะเบียนเลขที่ ว-204-ง-75:07

Remark
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Technical Management: Siriluk P. — Siriluk Puengpang, Section Head, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361972

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666526-1

Page 1 of 1

Sample Number 2361972-1
Sampled Date Jun 07, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2560 Plot 48,84 Site D-HAPPENKING COMPANY LIMITED
Date Analysis Commenced Jun 08, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	30	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-ง-5414

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: Nann Seseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4713
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361968

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666168-1

Page 1 of 1

Sample Number 2361968-5-1
Sampled Date Jun 12, 2023 2:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_003_2554 Plot 54 Site D-Rubber Products Co.,Ltd.
Date Analysis Commenced Jun 13, 2023
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	187	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	449	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	79	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khoklaor ทะเบียนเลขที่ ว-204-ง-75:7

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Technical Management: Siriluk P. — Siriluk Puengpang, Section Head, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361916

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666171-1

Page 1 of 1

Sample Number 2361916-1
Sampled Date Jun 13, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2554 Plot 39 Site DSG International (Thailand) PLC.
Date Analysis Commenced Jun 14, 2023
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 turbid

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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor ทะเบียนเลขที่ ว-204-ง-75:6

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Technical Management: Siriluk P. — Siriluk Puengpang, Section Head, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361937

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666244-1

Page 1 of 1

Sample Number 2361937-1
Sampled Date Jun 13, 2023 10:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_031_2555 Plot 148 Site FTN (Saraburi) Co.,Ltd
Date Analysis Commenced Jun 14, 2023
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	12.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	77	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor ทะเบียนเลขที่ ว-204-ง-75:6

Remark
LOD : Limit of Detection
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Technical Management: Siriluk P. — Siriluk Puengpang, Section Head, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361917

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666175-1

Page 1 of 1

Sample Number 2361917-1
Sampled Date Jun 13, 2023 9:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2554 Plot 77,78 Site Fujikoki Corporation
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor ทะเบียนเลขที่ ว-204-ง-75:6

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: Siriluk P. — Siriluk Puengpang, Section Head, ทะเบียนเลขที่ ว-204-ง-4720
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361918

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666177-1

Page 1 of 1

Sample Number 2361918-1
Sampled Date Jun 07, 2023 9:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_006_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 1
Date Analysis Commenced Jun 08, 2023
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	5.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	69	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-ง-5414

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: Nann Seseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361919

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666181-1

Page 1 of 1

Sample Number 2361919-1
Sampled Date Jun 07, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 2
Date Analysis Commenced Jun 08, 2023
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	12.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	82	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-ง-5414

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: Nann Seseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361920

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666182-1

Page 1 of 1

Sample Number 2361920-1
Sampled Date Jun 07, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_008_2554 Plot 2 Site Guardian Industries Corp Ltd.
Location Point 3
Date Analysis Commenced Jun 08, 2023
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	8.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	125	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-ง-5414

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: Nann Seseng, Supervisor, ทะเบียนเลขที่ ว-204-ง-4715
Approved by: Karnokkom Anek, Senior Manager, ทะเบียนเลขที่ ว-204-ง-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361992

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 08, 2023
Project Name : Factory I Monthly Date Reported : Jun 15, 2023
Project Location : WHA SIL Report Number : 2666570-1

Sample Number 2361992-1
Sampled Date Jun 08, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2557 Plot 86 Site Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Jun 09, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 3500-Cr B	Bangkok
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. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1328	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ ว-204-ว-7107

Technical Management Sawithee N. — Sawithee Noisangam, Senior Manager, หน่วยงานที่ ว-204-ว-4709
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361992

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 08, 2023
Project Name : Factory I Monthly Date Reported : Jun 15, 2023
Project Location : WHA SIL Report Number : 2666570-2

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 Sawithee N. — Sawithee Noisangam, Manager, หน่วยงานที่ ว-204-ว-4709
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

Lot ID: 2361992

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 08, 2023
Project Name : Factory I Monthly Date Reported : Jun 15, 2023
Project Location : WHA SIL Report Number : 2666570-2

Sample Number 2361992-1
Sampled Date Jun 08, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_072_2557 Plot 86 Site Gulf JP NK2 Co.,Ltd.
Date Analysis Commenced Jun 09, 2023
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, odourless, no solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm *	0.5		2063	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2510 B	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk

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

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Approved by Tanyatorn Hongkorpiwat, Supervisor

Analysis / Test Report

TESTING
No.0009

Lot ID: 2362000

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666636-1

Sample Number 2362000-1
Sampled Date Jun 13, 2023 9:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_004_2562 Plot 131 Site Gulf NPH Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	2.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	63	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	2392	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ ว-204-ว-7107

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 Suwimon C — Suwimon Charungpud, Scientist (2), หน่วยงานที่ ว-204-ว-9417
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361998

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 02, 2023
Project Name : Factory I Monthly Date Reported : Jun 09, 2023
Project Location : WHA SIL Report Number : 2666606-1

Sample Number 2361998-1
Sampled Date Jun 02, 2023 10:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_032_2556 Plot 149 Site Hygeite (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced Jun 03, 2023
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, odourless, 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. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	944	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ ว-204-ว-7107

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 Siriluk P. — Siriluk Puangpang, Section Head, หน่วยงานที่ ว-204-ว-4720
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361999

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 12, 2023
Project Name : Factory I Monthly Date Reported : Jun 19, 2023
Project Location : WHA SIL Report Number : 2666622-1

Sample Number 2361999-1
Sampled Date Jun 12, 2023 1:19 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_032_2556 Plot 149 Site Hygeite (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced Jun 13, 2023
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, odourless, 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. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	916	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 C	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khwalor หน่วยงานที่ ว-204-ว-7517

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 Siriluk P. — Siriluk Puangpang, Section Head, หน่วยงานที่ ว-204-ว-4720
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361944

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666264-1

Sample Number 2361944-1
Sampled Date Jun 13, 2023 11:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_042_2556 Plot 64 Site TDEC Asia (Thailand) Co.,Ltd
Date Analysis Commenced Jun 14, 2023
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	89.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	187	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narubdet Pornpoon หน่วยงานที่ ว-204-ว-7516

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 Siriluk P. — Siriluk Puangpang, Section Head, หน่วยงานที่ ว-204-ว-4720
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361984

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 02, 2023
Project Name : Factory I Monthly Date Reported : Jun 09, 2023
Project Location : WHA SIL Report Number : 2666637-1

Sample Number 2361984-1
Sampled Date Jun 02, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_003_2563 Plot 139-140 Site Innolight Technology (Thailand) Co.,Ltd
Date Analysis Commenced Jun 03, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	49	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	44	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ ว-204-ว-7107

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 Siriluk P. — Siriluk Puangpang, Section Head, หน่วยงานที่ ว-204-ว-4720
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

The above results are valid only for the analysed/tested samples as indicated in this report. No part of this report or certificate 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.0009

Lot ID: 2361921

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 14, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666185-1

Sample Number 2361921-1
Sampled Date Jun 14, 2023 1:40 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2554 Plot 43,44 Site JCY HDD Technology Co.,Ltd.
Date Analysis Commenced Jun 15, 2023
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, odourless, 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	4.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	37	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017. part 2550 B	Bangkok
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. 23rd ed., 2017. part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยงานที่ ว-204-ว-7107

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 Siriluk P. — Siriluk Puangpang, Section Head, หน่วยงานที่ ว-204-ว-4720
Approved by Kanokkorn Anek, Senior Manager, หน่วยงานที่ ว-204-ว-6111

The above results are valid only for the analysed/tested samples as indicated in this report. No part of this report or certificate 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.0009

Lot ID: 2361938

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666247-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361936-1
Sampled Date Jun 13, 2023 9:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_034_2556 **Plot** 162/1 **Site** Johnan F. Tech (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 bit 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	82.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	212	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor หน่วยตรวจสอบ I-204-n-7516

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361922

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666187-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361922-1
Sampled Date Jun 13, 2023 10:25 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_010_2556 **Plot** 146 **Site** Knauf Gypsum (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor หน่วยตรวจสอบ I-204-n-7516

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

This above results are valid only for the analysed/tested samples as indicated in this report. No part of this report or certificate 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.0009

Lot ID: 2361928

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666201-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361928-1
Sampled Date Jun 13, 2023 2:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_018_2554 **Plot** 18,82,40 **Site** Maxion Wheels (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	36.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	121	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยตรวจสอบ I-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361936

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666240-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361936-1
Sampled Date Jun 13, 2023 12:05 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_011_2554 **Plot** 65 **Site** Michelin ROH Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	19.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	119	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor หน่วยตรวจสอบ I-204-n-7516

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361924

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666192-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361924-1
Sampled Date Jun 14, 2023 11:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_013_2554 **Plot** 5,83,92 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced Jun 15, 2023
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	9.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	66	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	35.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยตรวจสอบ I-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361971

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666518-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361971-1
Sampled Date Jun 14, 2023 12:00 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_002_2560 **Plot** 17 **Site** Michelin Siam Co.,Ltd.
Date Analysis Commenced Jun 15, 2023
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 bit 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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	282	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	41	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยตรวจสอบ I-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361990

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666672-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361990-1
Sampled Date Jun 13, 2023 9:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_003_2566 **Plot** 135 **Site** Hyogo Industry (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 bit 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	48.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	163	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยตรวจสอบ I-204-n-7107

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: Suwimon C. — Suwimon Charoengwut, Scientist (3), หน่วยตรวจสอบ I-204-n-9417
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361950

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666285-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361950-1
Sampled Date Jun 13, 2023 9:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_048_2556 **Plot** 166,161,162,166,168 **Site** Mutsu (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 bit 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	16.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	89	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narudet Pornpoor หน่วยตรวจสอบ I-204-n-7516

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: Siriluk P. — Siriluk Puangpang, Section Head, หน่วยตรวจสอบ I-204-n-4720
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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TESTING No.0009

Lot ID: 2361986

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666649-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Page 1 of 1

Sample Number 2361986-1
Sampled Date Jun 13, 2023 9:25 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2565 **Plot** 6 **Site** Nanoplastic Industries Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 bit 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	45.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	174	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หน่วยตรวจสอบ I-204-n-7107

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: Suwimon C. — Suwimon Charoengwut, Scientist (3), หน่วยตรวจสอบ I-204-n-9417
Approved by: Karnokkorn Anek — Karnokkorn Anek, Senior Manager, หน่วยตรวจสอบ I-204-n-6111

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361951
Date Received : Jun 07, 2023
Date Reported : Jun 15, 2023
Report Number : 2666238-1

Sample Number 236;951-1
Sampled Date Jun 07, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_055_2554 **Plot** 80,81 **Site** Nidec Component Technology(Thailand)Co.Ltd.
Date Analysis Commenced Jun 08, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)
Physical Property colourless, no 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	3.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	31	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Narin Saisong, Supervisor — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361957
Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666533-1

Sample Number 2361957-1
Sampled Date Jun 13, 2023 11:25 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_007_2565 **Plot** 68 **Site** Nihonshi Food (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narueset Permpoon พบ.ผนงแรงที่ 1-204-1-7516

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: Suwimon C, Suwimon Chainangnest, Scientist (3) — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361956
Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666294-1

Sample Number 236;956-1
Sampled Date Jun 14, 2023 11:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_063_2556 **Plot** 93C **Site** Nikon (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 15, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	148	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361941
Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666238-1

Sample Number 2361941-1
Sampled Date Jun 07, 2023 10:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_040_2556 **Plot** 21 **Site** Nortaike SA (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 08, 2023
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, a bit 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	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	35	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanes Jariya พบ.ผนงแรงที่ 1-204-1-5414

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: Narin Saisong, Supervisor — Approved by: Karoklaon Anek, Senior Manager

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361997
Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666586-1

Sample Number 236;997-1
Sampled Date Jun 14, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_019_2554 **Plot** 20 **Site** Nortaike SCG Plaster Co.,Ltd.
Date Analysis Commenced Jun 15, 2023
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 solid and turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	120	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	217	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	34.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1760	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	46	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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

Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361973
Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666530-1

Sample Number 236;973-1
Sampled Date Jun 14, 2023 12:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_067_2560 **Plot** 142/2 **Site** NX SHOJI (THAILAND) CO.,LTD.
Date Analysis Commenced Jun 15, 2023
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 bit 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	157	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	377	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	188	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361974
Date Received : Jun 14, 2023
Date Reported : Jun 20, 2023
Report Number : 2666532-1

Sample Number 236;974-1
Sampled Date Jun 14, 2023 12:20 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_006_2560 **Plot** 142/4 **Site** NX SHOJI (THAILAND) CO.,LTD.
Date Analysis Commenced Jun 15, 2023
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 bit 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	161	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	273	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361991
Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666586-1

Sample Number 236;991-1
Sampled Date Jun 13, 2023 9:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SL_053_2554 **Plot** 36 **Site** Ready Clear Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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							
Anionic Surfactant as MBAS *	mg/L	0.015	0.05	0.15	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5540 B, C	Bangkok
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Lot ID: 2361942
Date Received : Jun 02, 2023
Date Reported : Jun 09, 2023
Report Number : 2666259-1

Sample Number 236;942-1
Sampled Date Jun 02, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (.ltd)
Date Analysis Commenced Jun 03, 2023
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	12.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	61	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangpak พบ.ผนงแรงที่ 1-204-1-7107

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: Siriluk P., Siriluk Puangpang, Section Head — Approved by: Karoklaon Anek, Senior Manager

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361943

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666262-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361943-1
Sampled Date Jun 12, 2023 1:10 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2554 **Plot** 47 **Site** RiverPRO Pulp & Paper Company Limited (2nd)
Date Analysis Commenced Jun 13, 2023
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	4.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	67	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlaor หมดอายุที่ 1-204-r-75:7

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361949

Date Received : Jun 02, 2023
Date Reported : Jun 09, 2023
Report Number : 2666283-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361949-1
Sampled Date Jun 02, 2023 9:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_047_2556 **Plot** 136 **Site** Rohm Mechatech (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 03, 2023
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, 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	174	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	306	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	60	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsak หมดอายุที่ 1-204-r-7107

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361970

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666391-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361970-1
Sampled Date Jun 13, 2023 1:05 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2560 **Plot** 91 **Site** SCG Ceramics Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsak หมดอายุที่ 1-204-r-7107

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: Suwimon C — Suwimon Chainungwut, Scientist (3), หมดอายุที่ 1-204-r-5417
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361914

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666165-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361914-1
Sampled Date Jun 13, 2023 9:45 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_002_2554 **Plot** 10,11 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced Jun 14, 2023
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	5.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	41	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsak หมดอายุที่ 1-204-r-7107

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361933

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666227-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361933-1
Sampled Date Jun 13, 2023 1:35 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_025_2554 **Plot** 19,41 **Site** SCG Roofing Co.,Ltd
Date Analysis Commenced Jun 14, 2023
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	4.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	105	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsak หมดอายุที่ 1-204-r-7107

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361925

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666195-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361925-1
Sampled Date Jun 13, 2023 11:20 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_015_2556 **Plot** 61,62 **Site** SEKI Corp.(Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	62.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	168	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	86	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narucbet Pornpoon หมดอายุที่ 1-204-r-7516

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361953

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666291-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361953-1
Sampled Date Jun 13, 2023 11:40 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_017_2556 **Plot** 66 **Site** Sekisui Plastics (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narucbet Pornpoon หมดอายุที่ 1-204-r-7516

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: Suwimon C — Suwimon Chainungwut, Scientist (3), หมดอายุที่ 1-204-r-5417
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361946

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666268-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361946-1
Sampled Date Jun 13, 2023 11:00 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_017_2557 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Port 1
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narucbet Pornpoon หมดอายุที่ 1-204-r-7516

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361947

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666276-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number 2361947-1
Sampled Date Jun 13, 2023 11:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2558 **Plot** 144,145 **Site** Sekisui-SCG Industrial Co.,Ltd.
Location Port 2
Date Analysis Commenced Jun 14, 2023
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. 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF. 23rd ed., 2017, part 2550 B	Bangkok
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. 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narucbet Pornpoon หมดอายุที่ 1-204-r-7516

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: Siriluk P. — Siriluk Puengpang, Section Head, หมดอายุที่ 1-204-r-4720
Approved by: Karnkakorn Anek, Senior Manager, หมดอายุที่ 1-204-r-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361957

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666295-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361957-1
Sampled Date: Jun 13, 2023 12:00 PM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_068_2557 Plot: 59 Site: Shibaiawa (Thailand) Co.,Ltd.
Location: Point 2
Date Analysis Commenced: Jun 14, 2023
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	6.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	64	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	34.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Narueboet Permpoon พนักงานเก็บตัวอย่าง >204-n-7516

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Suwimon C — Suwimon Charuangrut, Scientist (3), พนักงานเคมี >204-n-5417
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361963

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666327-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361963-1
Sampled Date: Jun 13, 2023 9:50 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_081_2557 Plot: 150 Site: Shinentech (WCT Co.,Ltd.)
Date Analysis Commenced: Jun 14, 2023
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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Narueboet Permpoon พนักงานเก็บตัวอย่าง >204-n-7516

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Suwimon C — Suwimon Charuangrut, Scientist (3), พนักงานเคมี >204-n-5417
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361993

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666173-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361993-1
Sampled Date: Jun 13, 2023 10:00 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_052_2554 Plot: 8 Site: Siam Fibre Glass Co.,Ltd.
Date Analysis Commenced: Jun 14, 2023
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 bit 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	14.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	96	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Formaldehyde *	mg/L	0.03	0.1	<0.1	≤1	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Teerawat Puangsuk พนักงานเก็บตัวอย่าง >204-n-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Suwimon C — Suwimon Charuangrut, Scientist (3), พนักงานเคมี >204-n-5417
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361995

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666382-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361995-1
Sampled Date: Jun 12, 2023 11:45 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_050_2554 Plot: 69 Site: Siam Furukawa Co.,Ltd. (2nd)
Date Analysis Commenced: Jun 13, 2023
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, odourless, some solid, and no turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Lead	mg/L	0.0003	0.0005	0.007	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	31.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 C	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Technical Management: Sawitree N — Sawitree Nirangnam, Manager, หัวหน้างานเคมี >204-n-4709
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361985

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666382-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sampling By : Jiranat Khowlaor พนักงานเก็บตัวอย่าง >204-n-7517

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Sawitree N — Sawitree Nirangnam, Manager, หัวหน้างานเคมี >204-n-4709
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361994

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 02, 2023
Date Reported : Jun 10, 2023
Report Number : 2666376-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sampling By : Teerawat Puangsuk พนักงานเก็บตัวอย่าง >204-n-7107

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Chanatt L — Chanattagan Inchom, Section Head, หัวหน้างานเคมี >204-n-4710
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361977

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666550-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361977-1
Sampled Date: Jun 12, 2023 11:40 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_0.0_2560 Plot: 3 Site: Siam Furukawa Co.,Ltd.
Date Analysis Commenced: Jun 13, 2023
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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	31.1	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Jiranat Khowlaor พนักงานเก็บตัวอย่าง >204-n-7517

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Siriluk P — Siriluk Puangpang, Section Head, หัวหน้างานเคมี >204-n-4720
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361931

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140

Date Received : Jun 12, 2023
Date Reported : Jun 19, 2023
Report Number : 2666220-1

P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number: 2361931-1
Sampled Date: Jun 12, 2023 11:35 AM
Sample Description: Group 2 Wastewater WW-CT
Contract ID: SIL_022_2554 Plot: 55 Site: Siam Furukawa Co.,Ltd.
Date Analysis Commenced: Jun 13, 2023
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	80.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	249	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 –H (B)	Bangkok
Temperature *	Degree C	-	-	30.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	74	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Jiranat Khowlaor พนักงานเก็บตัวอย่าง >204-n-7517

Remark
LOD : Limit of Detection
"-" : Lower than LOD (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: Chanatt L — Chanattagan Inchom, Section Head, หัวหน้างานเคมี >204-n-4710
Approved by: Kanokkorn Anek — Senior Manager, พนักงานเคมีชำนาญการ >204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361926

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666198-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361926-1
Sampled Date Jun 13, 2023 10:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_016_2554 **Plot** 9,15 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 1
Date Analysis Commenced Jun 14, 2023
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, odourless, 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, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	32.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : *Teerawat Puangpuk* หมายเลขลงนาม 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361927

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666199-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361927-1
Sampled Date Jun 13, 2023 1:35 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_017_2554 **Plot** 42,79,98 **Site** Siam Gypsum Industry (Saraburi) Co.,Ltd.
Location Factory 2
Date Analysis Commenced Jun 14, 2023
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	35.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	124	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	33.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narubet Pempoon หมายเลขลงนาม 1-204-n-7516

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361980

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666550-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361980-1
Sampled Date Jun 13, 2023 2:35 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_005_2562 **Plot** 63 **Site** Siam Hanamanaki Co.,Ltd.
Location (sss 59)
Date Analysis Commenced Jun 14, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles. sample containers comply to pretreatment - preservation standards (APHA/USEPA)
Physical Property White, 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	417	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	721	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	77	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narubet Pempoon หมายเลขลงนาม 1-204-n-7516

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: Suwimon C. — Suwimon Cherungnut, Scientist (3), หมายเลขลงนาม 1-204-n-9417
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361929

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666205-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361929-1
Sampled Date Jun 13, 2023 10:30 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_020_2554 **Plot** 74 **Site** Siam NGK Technocera Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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, odourless, 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	37.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	154	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	80	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : *Teerawat Puangpuk* หมายเลขลงนาม 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361930

Date Received : Jun 13, 2023
Date Reported : Jun 19, 2023
Report Number : 2666214-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361930-1
Sampled Date Jun 13, 2023 2:03 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_021_2554 **Plot** 56 **Site** Siam Toto Ceramics Co.,Ltd.
Date Analysis Commenced Jun 13, 2023
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	51.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	146	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	30.8	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	118	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiraroit Khowlaor หมายเลขลงนาม 1-204-n-7517

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361948

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666279-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361948-1
Sampled Date Jun 13, 2023 9:05 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_046_2556 **Plot** 132 **Site** SLIX (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	63.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	173	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	41	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : *Teerawat Puangpuk* หมายเลขลงนาม 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361932

Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666223-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361932-1
Sampled Date Jun 13, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_024_2554 **Plot** 23 **Site** Thai Beverage Car Co.,Ltd.
Location Port 2
Date Analysis Commenced Jun 14, 2023
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, odourless, 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	34.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	130	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	32.6	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : *Teerawat Puangpuk* หมายเลขลงนาม 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Section Head, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361952

Date Received : Jun 01, 2023
Date Reported : Jun 09, 2023
Report Number : 2666288-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361952-1
Sampled Date Jun 01, 2023 11:15 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_056_2556 **Plot** 133 **Site** Thai Inaba Foods (Thailand) Co.,Ltd. (1st)
Date Analysis Commenced Jun 02, 2023
Condition of Sample Contained in three plastic bottles and one amber glass 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	176	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	475	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	34.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : *Teerawat Puangpuk* หมายเลขลงนาม 1-204-n-7107

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: Siriluk P. — Siriluk Puangpang, Supervisor, หมายเลขลงนาม 1-204-n-4720
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING No.0009

Lot ID: 2361976

Date Received : Jun 07, 2023
Date Reported : Jun 13, 2023
Report Number : 2666139-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location: WHA SSL

Sample Number 2361976-1
Sampled Date Jun 07, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_056_2556 **Plot** 133 **Site** Thai Inaba Foods (Thailand) Co.,Ltd. (2nd)
Date Analysis Commenced Jun 08, 2023
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, turbid and no solid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	200	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	596	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
*Temperature *	Degree C	-	-	31.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Jaiya หมายเลขลงนาม 1-204-n-9414

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: Nann Saseng, Supervisor, หมายเลขลงนาม 1-204-n-4715
Approved by: Karnkakorn Anek, Senior Manager, หมายเลขลงนาม 1-204-n-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361935

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 07, 2023
Project Name : Factory I Monthly Date Reported : Jun 13, 2023
Project Location : WHA SIL Report Number : 2666237-1

Page 1 of 1

Sample Number 2361935-1
Sampled Date Jun 07, 2023 10:55 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_036_2554 **Plot** 37,38 **Site** Thai Makya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 08, 2023
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	36.4	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	122	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมายเลขพนักงาน ว-204-ท-5414

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: Narin Saiseng, Supervisor, หมายเลขพนักงาน ว-204-ท-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361968

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666344-1

Page 1 of 1

Sample Number 2361968-1
Sampled Date Jun 13, 2023 1:30 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_001_2558 **Plot** 45,46,143 **Site** Thai Halaya Glass (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	42.9	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	143	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narueket Permpoon หมายเลขพนักงาน ว-204-ท-7516

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: Suwimon Chanuangnut, Scientist (3), หมายเลขพนักงาน ว-204-ท-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361996

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666304-1

Page 1 of 1

Sample Number 2361996-1
Sampled Date Jun 13, 2023 11:35 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_054_2554 **Plot** 7,141 **Site** Thai Rayon Public Limited Company
Date Analysis Commenced Jun 14, 2023
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, odourless, 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	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	39	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (E, F)	Bangkok
Temperature *	Degree C	-	-	33.9	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมายเลขพนักงาน ว-204-ท-7107

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: Suwimon Chanuangnut, Scientist (3), หมายเลขพนักงาน ว-204-ท-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361996

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666304-1

Page 1 of 1

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

Technical Management: Suwimon Chanuangnut, Scientist (3), หมายเลขพนักงาน ว-204-ท-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361975

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 12, 2023
Project Name : Factory I Monthly Date Reported : Jun 19, 2023
Project Location : WHA SIL Report Number : 2666534-1

Page 1 of 1

Sample Number 2361975-1
Sampled Date Jun 12, 2023 11:55 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_009_2560 **Plot** 70,71,73 **Site** Thai Siam Cement (Tailuang) Co.,Ltd.
Date Analysis Commenced Jun 13, 2023
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	14.5	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	82	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Jiranat Khowlan หมายเลขพนักงาน ว-204-ท-7517

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: Siriluk Puangpang, Section Head, หมายเลขพนักงาน ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361934

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 07, 2023
Project Name : Factory I Monthly Date Reported : Jun 13, 2023
Project Location : WHA SIL Report Number : 2666220-1

Page 1 of 1

Sample Number 2361934-1
Sampled Date Jun 07, 2023 11:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_027_2554 **Plot** 32,60 **Site** Tilenent (Thailand) Corp.,Ltd.
Date Analysis Commenced Jun 08, 2023
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	49.4	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	122	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Thanwa Janya หมายเลขพนักงาน ว-204-ท-5414

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: Narin Saiseng, Supervisor, หมายเลขพนักงาน ว-204-ท-4715
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361954

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666292-1

Page 1 of 1

Sample Number 2361954-1
Sampled Date Jun 13, 2023 10:50 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_041_2556 **Plot** 147 **Site** TS Tech (Thailand) Co.,Ltd.
Date Analysis Commenced Jun 14, 2023
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	19.0	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	117	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narueket Permpoon หมายเลขพนักงาน ว-204-ท-7516

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: Suwimon Chanuangnut, Scientist (3), หมายเลขพนักงาน ว-204-ท-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361923

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 02, 2023
Project Name : Factory I Monthly Date Reported : Jun 09, 2023
Project Location : WHA SIL Report Number : 2666189-1

Page 1 of 1

Sample Number 2361923-1
Sampled Date Jun 02, 2023 11:10 AM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_012_2554 **Plot** 4,32 **Site** Villeroy & Boch (Thailand) Co.,Ltd
Date Analysis Commenced Jun 03, 2023
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 turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6.4	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	57	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมายเลขพนักงาน ว-204-ท-7107

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: Siriluk Puangpang, Section Head, หมายเลขพนักงาน ว-204-ท-4720
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361958

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakradi Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O : Date Received : Jun 13, 2023
Project Name : Factory I Monthly Date Reported : Jun 20, 2023
Project Location : WHA SIL Report Number : 2666296-1

Page 1 of 1

Sample Number 2361958-1
Sampled Date Jun 13, 2023 1:15 PM
Sample Description Group 2 Wastewater WW-CT
Contract ID SIL_079_2557 **Plot** 93A/1 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced Jun 14, 2023
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	61.1	≤300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	160	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.0	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk หมายเลขพนักงาน ว-204-ท-7107

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: Suwimon Chanuangnut, Scientist (3), หมายเลขพนักงาน ว-204-ท-5417
Approved by: Kanokkorn Anek, Senior Manager, หมายเลขพนักงาน ว-204-ท-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361960
Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666299-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number	2361960-1
Sampled Date	Jun 13, 2023 2:00 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_037_2556 **Plot** 151-152 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced	Jun 14, 2023
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	16.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	93	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	33.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narueboit Permpoon พนิดนนงพงษ์ ว-204-ง-7516

Remark :
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Technical Management: Suwiman C — Suwiman Chamangnut, Scientist (3), พนิดนนงพงษ์ ว-204-ง-5417

Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, พนิดนนงพงษ์ ว-204-ง-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2361939
Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666250-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number	2361939-1
Sampled Date	Jun 13, 2023 1:45 PM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_074_2557 **Plot** 153-154 **Site** WHA Corporation Public Limited Company
Date Analysis Commenced	Jun 14, 2023
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	61.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	191	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
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, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Narueboit Permpoon พนิดนนงพงษ์ ว-204-ง-7516

Remark :
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- "-" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analysis(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: Siriluk P — Siriluk Puangpang, Section Head, พนิดนนงพงษ์ ว-204-ง-4720

Approved by: Karokkom Anek — Karokkom Anek, Senior Manager, พนิดนนงพงษ์ ว-204-ง-6111

The above results are only for the analysed/tested sample(s) as indicated in this report. No part of this report or certificate 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.0009

Lot ID: 2361940
Date Received : Jun 13, 2023
Date Reported : Jun 20, 2023
Report Number : 2666252-1

Client : WHA Utilities and Power Public Company Limited
111 Moo 7, Nongplakrad Road, Nongplamoh, Nongkhae, Saraburi Thailand 18140
P/O :
Project Name : Factory I Monthly
Project Location : WHA SIL

Sample Number	2361940-1
Sampled Date	Jun 13, 2023 11:10 AM
Sample Description	Group 2 Wastewater WW-CT
Contract ID	SIL_069_2557 **Plot** 27(F) **Site** World Quality Co.Ltd.
Location	Point 1
Date Analysis Commenced	Jun 14, 2023
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	16.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	91	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of WHA Saraburi Industrial Land, Maximum levels for wastewater discharging to central wastewater treatment plant.
Sampling By : Teerawat Puangsuk พนิดนนงพงษ์ ว-204-ง-7107

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