



## Analysis / Test Report

TESTING

No.0009

**Lot ID: 21139282**

Date Received : Jan 13, 2022

Date Reported : Jan 18, 2022

Report Number : 2158702-1

**Client :** Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

**P/O :** สัญญาเลขที่4600001481

**Project Name :** Monitoring EIA

**Project Location:** GUT

Page 1 of 1

<b>Sample Number</b>	21139282-1
<b>Sampled Date</b>	Jan 13, 2022 8:45 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อพักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Jan 14, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.006	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.11	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	6.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	27.1	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1392	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By :** Aittipon Yaso

Remark :

- LOD : Limit of Detection
- "<" : 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

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 21139288**

Date Received : Jan 13, 2022

Date Reported : Jan 17, 2022

Report Number : 2158711-1

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	21139288-1
<b>Sampled Date</b>	Jan 13, 2022 9:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้ง
<b>Date Analysis Commenced</b>	Jan 14, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.11	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	31.1	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1004	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Aittipon Yaso

Remark :

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 21147466**

Date Received : Feb 07, 2022

Date Reported : Feb 11, 2022

Report Number : 2179708-1

**Client** : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

**P/O** : สัญญาเลขที่4600001481

**Project Name** : Monitoring EIA

**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	21147466-1
<b>Sampled Date</b>	Feb 07, 2022 8:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Feb 08, 2022
<b>Condition of Sample</b>	Contained in two plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.007	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.16	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.5	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	27.4	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1292	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Teerawat Puangsuk

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 21147470**

Date Received : Feb 07, 2022

Date Reported : Feb 11, 2022

Report Number : 2179712-1

**Client :** Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakonsiyutthaya Thailand 13210

**P/O :** สัญญาเลขที่4600001481

**Project Name :** Monitoring EIA

**Project Location:** GUT

Page 1 of 1

<b>Sample Number</b>	21147470-1
<b>Sampled Date</b>	Feb 07, 2022 8:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้ง
<b>Date Analysis Commenced</b>	Feb 08, 2022
<b>Condition of Sample</b>	Contained in two plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	32.8	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	380	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By :** Teerawat Puangsuk

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

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Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2215539**

Date Received : Mar 07, 2022

Date Reported : Mar 10, 2022

Report Number : 2222543-1

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2215539-1
<b>Sampled Date</b>	Mar 07, 2022 9:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อพักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Mar 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.009	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.06	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.3	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	31.8	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	848	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Teerawat Puangsuk

Remark :

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

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Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2215542**

Date Received : Mar 07, 2022

Date Reported : Mar 10, 2022

Report Number : 222552-1

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2215542-1
<b>Sampled Date</b>	Mar 07, 2022 9:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้ง
<b>Date Analysis Commenced</b>	Mar 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.10	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.8	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	33.1	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	220	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Teerawat Puangsuk

Remark :

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Assistant Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2224086**

Date Received : Apr 11, 2022

Date Reported : Apr 19, 2022

Report Number : 2240291-1

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2224086-1
<b>Sampled Date</b>	Apr 11, 2022 9:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Apr 12, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	0.2	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	30.2	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1588	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Jiranat Khowlaor

Remark :

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Technical Management

*Chamatt L.*

Chanattagarn Imchom

Supervisor

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2224088**

Date Received : Apr 11, 2022

Date Reported : Apr 19, 2022

Report Number : 2240300-1

**Client** : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

**P/O** : สัญญาเลขที่4600001481

**Project Name** : Monitoring EIA

**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2224088-1						
<b>Sampled Date</b>	Apr 11, 2022 9:35 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บ่อกักน้ำทิ้ง						
<b>Date Analysis Commenced</b>	Apr 12, 2022						
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.09	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.7	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	32.6	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	304	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Jiranat Khowlaor

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Technical Management

*Chamatt L.*

Chanattagarn Imchom

Supervisor

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Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2242554**

Date Received : May 09, 2022

Date Reported : May 13, 2022

Report Number : 2279685-1

**Client** : Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210

**P/O** : สัญญาเลขที่4600001481

**Project Name** : Monitoring EIA

**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2242554-1
<b>Sampled Date</b>	May 09, 2022 9:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อพักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	May 10, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.006	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.0	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	29.9	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1312	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Teerawat Puangsuk

Remark :

- LOD : Limit of Detection
- "<" : 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

*Savitree N.*

Savitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2242556**

Date Received : May 09, 2022

Date Reported : May 13, 2022

Report Number : 2279686-1

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Prakhonsiayutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

Page 1 of 1

<b>Sample Number</b>	2242556-1
<b>Sampled Date</b>	May 09, 2022 9:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อกักน้ำทิ้ง
<b>Date Analysis Commenced</b>	May 10, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.006	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.11	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.4	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	32.1	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1164	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By** : Teerawat Puangsuk

Remark :

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

*Savitree N.*

Savitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2252625**

Date Received : Jun 06, 2022

Date Reported : Jun 10, 2022

Report Number : 2301126-1

**Client :** Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

**P/O :** สัญญาเลขที่ 4600001481

**Project Name :** Monitoring EIA

**Project Location:** GUT

Page 1 of 1

<b>Sample Number</b>	2252625-1
<b>Sampled Date</b>	Jun 06, 2022 9:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อพักน้ำหล่อเย็น
<b>Date Analysis Commenced</b>	Jun 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.006	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.11	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	7.6	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	32.7	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1144	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By :** Aittipon Yaso

Remark :

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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

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2252634**

Date Received : Jun 06, 2022

Date Reported : Jun 10, 2022

Report Number : 2301129-1

**Client :** Gulf JP UT Co., Ltd.

999 Moo 1, Ban Chang, Uthai, Pranakhonsiayutthaya Thailand 13210

**P/O :** สัญญาเลขที่ 4600001481

**Project Name :** Monitoring EIA

**Project Location:** GUT

Page 1 of 1

<b>Sample Number</b>	2252634-1
<b>Sampled Date</b>	Jun 06, 2022 9:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บ่อพักน้ำทิ้ง
<b>Date Analysis Commenced</b>	Jun 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Based on APHA (2017), 3125	Bangkok
Zinc	mg/L	0.003	0.005	0.10	≤5.0	Based on APHA (2017), 3125	Bangkok
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤5	Based on APHA (2017), 5520 B	Bangkok
pH at 25 degree C		-	-	8.1	5.5-9.0	Based on APHA (2017), 4500-H (B)	Bangkok
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	APHA (2017), 4500-Cl(F)	Bangkok
Temperature *	Degree C	-	-	34.0	≤40	Based on APHA (2017), 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	244	≤3000	Based on APHA (2017), 2540 C	Bangkok

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

**Sampled By :** Aittipon Yaso

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Technical Management

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanok Korn Anek

Kanok Korn Anek

Senior Manager

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