

ภาคผนวกที่ 5

- ใบรับรองห้องปฏิบัติการ ของมหาวิทยาลัยสวนดุสิต ศูนย์สิ่งแวดลอม
- รายงานผลการตรวจวัดและวิเคราะห์คุณภาพน้ำ

ใบรับรองห้องปฏิบัติการ ของมหาวิทยาลัยสวนดุสิต ศูนย์สิ่งแวดลอม



ใบรับรองเลขที่ 21T033/1246

ใบรับรองห้องปฏิบัติการ

อาศัยอำนาจตามความในพระราชบัญญัติการมาตรฐานแห่งชาติ พ.ศ. ๒๕๕๑

เลขาธิการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

ออกใบรับรองฉบับนี้ให้

มหาวิทยาลัยสวนดุสิต

ศูนย์สิ่งแวดล้อม

มีห้องปฏิบัติการตั้งอยู่เลขที่

๒๒๘-๒๒๘/๑-๓ ถนนสีรินธร แขวงบางพลัด เขตบางพลัด กรุงเทพมหานคร

ได้รับการรับรองความสามารถห้องปฏิบัติการทดสอบ

ตามมาตรฐานเลขที่ มอก. 17025-2561 (ISO/IEC 17025 : 2017)

ข้อกำหนดทั่วไปว่าด้วยความสามารถห้องปฏิบัติการทดสอบและสอบเทียบ

หมายเลขการรับรองที่ ทดสอบ ๐๒๘๐

โดยมีสาขาการรับรองตามรายละเอียดแนบท้ายใบรับรอง

ตั้งแต่ วันที่ ๘ มีนาคม พ.ศ. ๒๕๖๔

ถึง วันที่ ๗ มีนาคม พ.ศ. ๒๕๖๗

ออกให้ ณ วันที่ ๑๙ มี.ค. ๒๕๖๔

กมล

(นางกมลวรรณ จำเลิศวัฒน์)

รองเลขาธิการ ปฏิบัติราชการแทน

เลขาธิการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม




รายละเอียดแนบท้ายใบรับรองห้องปฏิบัติการทดสอบ
ใบรับรองเลขที่ 21T033/1246

ชื่อห้องปฏิบัติการ ห้องปฏิบัติการทดสอบ ศูนย์สิ่งแวดล้อม มหาวิทยาลัยสวนดุสิต
ที่อยู่ เลขที่ 228-228/1-3 ถนนสีรินธร แขวงบางพลัด เขตบางพลัด กรุงเทพมหานคร
หมายเลขการรับรองที่ ทดสอบ 0280
สถานภาพห้องปฏิบัติการ ☒ ถาวร ☐ นอกสถานที่ ☐ชั่วคราว ☐เคลื่อนที่

สาขาทดสอบ	รายการทดสอบ	วิธีทดสอบ
สาขาสิ่งแวดล้อม น้ำและน้ำเสีย (water and wastewater)	- pH 4.0 to 10.0 - Total solids (TS) 20 mg/l to 1 000 mg/l - Total suspended solids (TSS) 20 mg/l to 1 000 mg/l - Total dissolved solids (TDS) 20 mg/l to 1 000 mg/l - Chemical oxygen demand (COD) 40 mg/l to 400 mg/l	- Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF 23 rd Edition 2017, part 4500-H ⁺ B - Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF 23 rd Edition 2017, part 2540 B - Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF 23 rd Edition 2017, part 2540 D - Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF 23 rd Edition 2017, part 2540 C - Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF 23 rd Edition 2017, part 5220 C

ออกให้ ณ วันที่ **๑๙ มี.ค. ๒๕๖๔**


 (นางกมลวรรณ น้าเลิศวัฒน์)
 รองอธิการ ปฏิบัติราชการแทน
 เลขาธิการสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรม

รายงานผลการตรวจวัดและวิเคราะห์คุณภาพน้ำ

เดือนมกราคม 2565



THE ENVIRONMENTAL CENTER SUAN DUSIT UNIVERSITY

228-228/1-3 Sirinthorn Rd, Bangplad, Bangkok 10700

Tel. 02-423-9407-10 Fax. 02-423-9409

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : -

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 1, 2022

Sampling time : -

Sampling report No : RT650100057

Laboratory No : SDW/65-0082

Sampling type : Tap water

Sampling date : January 31, 2022


Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is Clear, colorless and no sediment.	Not found	Not found
2. <i>E.Coli</i>	MPN/100 ml	AWWA, 2017 (9221F)		Not found	Not found

Remark : Standard from Notification of the Ministry of Public Health No. 78 (1984) Re: Ice


Miss Pantipa Kitpakdeekul

Head of academic team

February 1, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.1)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0083

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is brown color and sediment.	6.9 at 25°C	5 - 9
2. SS _s	mg/l	AWWA,2017 (2540D)		212	≠ 40
3. TDS	mg/l	AWWA,2017 (2540C)		261	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		8.0	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		20	≠ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.55	≠ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		56.56	≠ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		1.20	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul
Head of academic team
February 10, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.2)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0084

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		47	≠ 40
3. TDS	mg/l	AWWA,2017 (2540C)		230	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		1.0	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		20	≠ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.25	≠ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		53.76	≠ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		1.60	≠ 20

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Miss Pantipa Kitpakdeekul
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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.3)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0085

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		51	≠ 40
3. TDS	mg/l	AWWA,2017 (2540C)		238	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.2	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		12	≠ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.02	≠ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		41.44	≠ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.80	≠ 20

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Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.4)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0086

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		27	≧ 40
3. TDS	mg/l	AWWA,2017 (2540C)		276	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		1.2	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		14	≧ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.04	≧ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		29.12	≧ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.60	≧ 20

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.5)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0087

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.6 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		28	≠ 40
3. TDS	mg/l	AWWA,2017 (2540C)		258	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		1.0	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		13	≠ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.07	≠ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		38.08	≠ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		1.00	≠ 20

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.6)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0088

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.3 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		4	≧ 40
3. TDS	mg/l	AWWA,2017 (2540C)		236	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.4	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		5	≧ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.00	≧ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		52.64	≧ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.7)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0089

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	6.9 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		58	≧ 40
3. TDS	mg/l	AWWA,2017 (2540C)		386	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		11.0	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		17	≧ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.06	≧ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		40.88	≧ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		1.40	≧ 20

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Miss Pantipa Kitpakdeekul

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.8)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0090

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	6.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		81	≧ 40
3. TDS	mg/l	AWWA,2017 (2540C)		336	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.5	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		14	≧ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.24	≧ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		27.44	≧ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.20	≧ 20

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Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.9)

Receive date : January 31, 2022

Analytical date : January 31, 2022 - February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0091

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		9	≧ 40
3. TDS	mg/l	AWWA,2017 (2540C)		400	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		1.0	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		9	≧ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.00	≧ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		10.08	≧ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

February 10, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : -

Sampling source : Pond water after treatment (Pool no.10)

Receive date : January 31, 2022

Analytical date : January 31, 2022 – February 10, 2022

Sampling time : -

Sampling report No : RT650100058

Laboratory No : SDW/65-0092

Sampling type : Effluent

Sampling date : January 27, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		41	≠ 40
3. TDS	mg/l	AWWA,2017 (2540C)		244	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		1.2	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		20	≠ 30
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.06	≠ 1.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		39.76	≠ 35
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≠ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

February 10, 2022

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เดือนกุมภาพันธ์ 2565



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Tel. 02-423-9407-10 Fax. 02-423-9409

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200134

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0259

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : -

Sampling type : Tap water

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 15, 2022

Sampling method : GRAB


Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is Clear, colorless and no sediment.	Not found	Not found
2. E.Coli	MPN/100 ml	AWWA, 2017 (9221F)		Not found	Not found

Remark : Standard from Notification of the Ministry of Public Health No. 78 (1984) Re: Ice


Miss Pantipa Kitpakdeekul

Head of academic team

March 15, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0260

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.1)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		96	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		294	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.9	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		17	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.72	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		54.32	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0261

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.2)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		59	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		204	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.3	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		46	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		5.18	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		62.16	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0262

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.3)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		22	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		383	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.2	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		8	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.76	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		35.84	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.80	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0263

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.4)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		18	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		428	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		< 0.1	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		13	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.01	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		7.28	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0264

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.5)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		16	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		216	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		< 0.1	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		9	≠ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.02	≠ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		21.84	≠ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Miss Pantipa Kitpakdeekul

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March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0265

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.6)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	7.5 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		10	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		156	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		< 0.1	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		8	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.02	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		4.48	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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Miss Pantipa Kitpakdeekul

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March 21, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0266

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.7)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	7.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		110	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		284	≧ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		5.0	≧ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		14	≧ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.25	≧ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		68.88	≧ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0267

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.8)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.0 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		19	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		446	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.5	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		7	≠ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.01	≠ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		5.60	≠ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.60	≠ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0268

1390/19 ถนนเพชรเกษม (ทิวศรรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.9)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.1 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		7	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		454	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		0.4	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		14	≠ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.03	≠ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		34.16	≠ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650200135

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0269

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.10)

Sampling type : Effluent

Receive date : February 28, 2022

Sampling date : February 25, 2022

Analytical date : February 28, 2022 – March 21, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		6	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		368	≠ 500
4. Settleable Solid*	ml/l	AWWA,2017 (2540F)		< 0.1	≠ 0.5
5. BOD ₅ *	mg/l	AWWA,2017 (5210B)		1	≠ 40
6. Sulfide*	mg/l	AWWA,2017 (4500-S ²⁻ F)		0.01	≠ 3.0
7. TKN*	mg/l	AWWA,2017 (4500-N _{org} B)		1.68	≠ 40
8. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

March 21, 2022

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เดือนมีนาคม 2565



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Tel. 02-423-9407-10 Fax. 02-423-9409

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Reuse water from the tap

Receive date : March 17, 2022

Analytical date : March 17 - 23, 2022

Sampling time : -

Sampling report No : RT650300169

Laboratory No : SDW/65-0390

Sampling type : wastewater

Sampling date : March 16, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is yellow, colorless and sediment.	63	≧ 5,000
2. Fecal Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221E)		Not found	≧ 1,000

Remark : Standard from Announcement of the National Environment Board No. 8 (B.E. 2537) issued under the Enhancement and Conservation of the National Environmental Quality Act, B.E. 2535 (1992), titled Water quality standards in surface water sources Published in the Government Gazette, Volume 111, Part 16 Ngor, dated February 24, 1994.

Miss Pantipa Kitpakdeekul

Head of academic team

March 23, 2022

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Tel. 02-423-9407-10 Fax. 02-423-9409



Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.1)

Receive date : March 17, 2022

Analytical date : March 17-31, 2022

Sampling time : -

Sampling report No : RT650300168

Laboratory No : SDW/65-0380

Sampling type : Effluent

Sampling date : March 16, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		126	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		287	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		16	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.2)

Receive date : March 17, 2022

Analytical date : March 17-31, 2022

Sampling time : -

Sampling report No : RT650300168

Laboratory No : SDW/65-0381

Sampling type : Effluent

Sampling date : March 16, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		12	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		348	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		14	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"
Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul
Head of academic team
March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0382

1390/19 ถนนเพชรเกษม (หัวขจรไต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.3)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		16	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		400	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		10	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0383

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.4)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		36	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		326	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		19	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0384

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.5)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		12	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		230	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		6	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0385

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.6)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is black color, turbid and sediment.	6.6 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		404	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		450	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		129	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		1.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0386

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.7)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		10	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		206	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		2	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0387

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.8)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is black color and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		45	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		366	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		48	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0388

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.9)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		15	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		294	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		15	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
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Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650300168

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0389

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.10)

Sampling type : Effluent

Receive date : March 17, 2022

Sampling date : March 16, 2022

Analytical date : March 17-31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		223	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		360	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		26	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,

B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

March 31, 2022

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เดือนเมษายน 2565



THE ENVIRONMENTAL CENTER SUAN DUSIT UNIVERSITY

228-228/1-3 Sirinthorn Rd, Bangplad, Bangkok 10700

Tel. 02-423-9407-10 Fax. 02-423-9409

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650400250

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0558

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Reuse water from the tap

Sampling type : wastewater

Receive date : April 11, 2022

Sampling date : April 4, 2022

Analytical date : April 11-19, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is yellow, colorless and sediment.	Not found	≠ 5,000
2. Fecal Coliform Bacteria	MPN/ 100 ml	AWWA, 2017 (9221E)		Not found	≠ 1,000

Remark : Standard from Announcement of the National Environment Board No. 8 (B.E. 2537) issued under the Enhancement and Conservation of the National Environmental Quality Act, B.E. 2535 (1992), titled Water quality standards in surface water sources Published in the Government Gazette, Volume 111, Part 16 Ngor, dated February 24, 1994.

Miss Pantipa Kitpakdeekul

Head of academic team

April 19, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.1)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0560

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		28	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		204	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		17	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650400252

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0561

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.2)

Sampling type : Effluent

Receive date : April 11, 2022

Sampling date : April 4, 2022

Analytical date : April 11-26, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		9	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		236	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		5	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650400252

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0562

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.3)

Sampling type : Effluent

Receive date : April 11, 2022

Sampling date : April 4, 2022

Analytical date : April 11-26, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.8 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		10	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		206	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		9	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,

B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.4)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0563

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.8 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		21	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		200	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		12	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"
Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.5)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0564

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.4 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		10	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		196	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		12	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.20	≠ 20

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Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
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Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.6)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0565

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	6.8 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		78	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		338	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		40	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650400252

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0566

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.7)

Sampling type : Effluent

Receive date : April 11, 2022

Sampling date : April 4, 2022

Analytical date : April 11-26, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.5 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		21	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		184	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		13	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
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Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.8)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0567

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is grey color and sediment.	7.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		41	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		204	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		6	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650400252

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0568

1390/19 ถนนเพชรเกษม (ท้ายทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.9)

Sampling type : Effluent

Receive date : April 11, 2022

Sampling date : April 4, 2022

Analytical date : April 11-26, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.8 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		15	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		208	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		7	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Tel. 02-423-9407-10 Fax. 02-423-9409



Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.10)

Receive date : April 11, 2022

Analytical date : April 11-26, 2022

Sampling time : -

Sampling report No : RT650400252

Laboratory No : SDW/65-0569

Sampling type : Effluent

Sampling date : April 4, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is black color, turbid and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		208	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		277	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		31	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

April 26, 2022

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Tel. 02-423-9407-10 Fax. 02-423-9409

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500327

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0711

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Reuse water from the tap

Sampling type : wastewater

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 23, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is yellow, colorless and sediment.	Not found	≠ 5,000
2. Fecal Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221E)		Not found	≠ 1,000

Remark : Standard from Announcement of the National Environment Board No. 8 (B.E. 2537) issued under the Enhancement and Conservation of the National Environmental Quality Act, B.E. 2535 (1992), titled Water quality standards in surface water sources Published in the Government Gazette, Volume 111, Part 16 Ngor, dated February 24, 1994.

Miss Pantipa Kitpakdeekul

Head of academic team

May 23, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0713

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.1)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		104	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		202	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		49	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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228-228/1-3 Sirinthorn Rd, Bangplad, Bangkok 10700

Tel. 02-423-9407-10 Fax. 02-423-9409



NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0714

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.2)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		58	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		232	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		25	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0715

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.3)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.6 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		25	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		258	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		29	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0716

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.4)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		56	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		254	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		39	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,
B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0717

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.5)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		24	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		284	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		45	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,

B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0718

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.6)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	6.7 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		256	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		304	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		330	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.40	≠ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548 (2005)

Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0719

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.7)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.9 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		28	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		230	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		38	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

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Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0720

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.8)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	7.9 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		18	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		348	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		22	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0721

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.9)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	7.9 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		44	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		202	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		30	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650500329

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0722

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.10)

Sampling type : Effluent

Receive date : May 12, 2022

Sampling date : May 9, 2022

Analytical date : May 12 - 31, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is brown color, turbid and sediment.	7.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		140	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		362	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		153	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.20	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

May 31, 2022

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เดือนมิถุนายน 2565



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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Reuse water from the tap

Receive date : June 9, 2022

Analytical date : June 9-13, 2022

Sampling time : -

Sampling report No : RT650600429

Laboratory No : SDW/65-0938

Sampling type : wastewater

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. Total Coliform Bacteria	MPN/100 ml	AWWA, 2017 (9221C)	Water sample is yellow, colorless and sediment.	Not found	≥ 5,000
2. Fecal Coliform Bacteria	MPN/ 100 ml	AWWA, 2017 (9221E)		Not found	≥ 1,000

Remark : Standard from Announcement of the National Environment Board No. 8 (B.E. 2537) issued under the Enhancement and Conservation of the National Environmental Quality Act, B.E. 2535 (1992), titled Water quality standards in surface water sources Published in the Government Gazette, Volume 111, Part 16 Ngor, dated February 24, 1994.

Miss Pantipa Kitpakdeekul

Head of academic team

June 13, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650600431

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0940

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.1)

Sampling type : Effluent

Receive date : June 9, 2022

Sampling date : June 6, 2022

Analytical date : June 9 - 30, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		36	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		222	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		32	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.01	≧ 20

Remark : * Test marked " Not TISI Accredited " in this Report / Certificate are not included in the TISI Accreditation Schedule for our Laboratory"

Standard from Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 7,

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Miss Pantipa Kitpakdeekul

Head of academic team

June 30, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650600431

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0941

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.2)

Sampling type : Effluent

Receive date : June 9, 2022

Sampling date : June 6, 2022

Analytical date : June 9 - 30, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.5 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		12	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		292	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		12	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.01	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

June 30, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.3)

Receive date : June 9, 2022

Analytical date : June 9 - 30, 2022

Sampling time : -

Sampling report No : RT650600431

Laboratory No : SDW/65-0942

Sampling type : Effluent

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.4 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		10	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		492	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		2	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

June 30, 2022

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Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.4)

Receive date : June 9, 2022

Analytical date : June 9 - 30, 2022

Sampling time : -

Sampling report No : RT650600431

Laboratory No : SDW/65-0943

Sampling type : Effluent

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		38	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		292	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		10	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Head of academic team

June 30, 2022

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NSC-TISI-TIS 17025
TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.5)

Receive date : June 9, 2022

Analytical date : June 9 - 30, 2022

Sampling time : -

Sampling report No : RT650600431

Laboratory No : SDW/65-0944

Sampling type : Effluent

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		32	≠ 50
3. TDS	mg/l	AWWA,2017 (2540C)		272	≠ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		38	≠ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≠ 20

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Miss Pantipa Kitpakdeekul

Head of academic team

June 30, 2022

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.6)

Receive date : June 9, 2022

Analytical date : June 9 - 30, 2022

Sampling time : -

Sampling report No : RT650600431

Laboratory No : SDW/65-0945

Sampling type : Effluent

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H* B)	Water sample is yellow color, turbid and sediment.	8.2 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		106	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		360	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		3	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650600431

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0946

1390/19 ถนนเพชรเกษม (หัวทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.7)

Sampling type : Effluent

Receive date : June 9, 2022

Sampling date : June 6, 2022

Analytical date : June 9 - 30, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.4 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		8	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		232	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		11	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650600431

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0947

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.8)

Sampling type : Effluent

Receive date : June 9, 2022

Sampling date : June 6, 2022

Analytical date : June 9 - 30, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

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Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.8 at 25°C	5 - 9
2. SS*	mg/l	AWWA,2017 (2540D)		17	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		442	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		12	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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Analysis Report

Customer name : 99 Riel Estate Development

Sampling report No : RT650600431

Address : เดอะ ปาลายานา (THE PALAYANA)

Laboratory No : SDW/65-0948

1390/19 ถนนเพชรเกษม (ห้วยทรายใต้) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.9)

Sampling type : Effluent

Receive date : June 9, 2022

Sampling date : June 6, 2022

Analytical date : June 9 - 30, 2022

Sampling method : GRAB

Sampling time : -

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color and sediment.	8.4 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		35	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		326	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		17	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.00	≧ 20

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NSC-TISI-TIS 17025

TESTING 0280

Analysis Report

Customer name : 99 Riel Estate Development

Address : เดอะ ปาลายานา (THE PALAYANA)

1390/19 ถนนเพชรเกษม (หัวขจร) ตำบลชะอำ อำเภอชะอำ จังหวัดเพชรบุรี

Sampling source : Pond water after treatment (Pool no.10)

Receive date : June 9, 2022

Analytical date : June 9 - 30, 2022

Sampling time : -

Sampling report No : RT650600431

Laboratory No : SDW/65-0949

Sampling type : Effluent

Sampling date : June 6, 2022

Sampling method : GRAB

Sampling by : 99 Riel Estate Development

Page : 1/1

Parameters	Unit	Analysis method	Characteristic	Results	Standard
1. pH	-	AWWA,2017 (4500-H ⁺ B)	Water sample is yellow color, turbid and sediment.	8.3 at 25°C	5 - 9
2. SS	mg/l	AWWA,2017 (2540D)		94	≧ 50
3. TDS	mg/l	AWWA,2017 (2540C)		366	≧ 500
4. BOD ₅ *	mg/l	AWWA,2017 (5210B)		65	≧ 40
5. Oil&Grease*	mg/l	AWWA,2017 (5520D)		0.02	≧ 20

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