

ภาคผนวกที่ 2

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวกที่ 2.1

ผลการตรวจวิเคราะห์คุณภาพน้ำเสียก่อนบำบัด และน้ำผ่านการบำบัด
(INFLUENT - EFFLUENT)



บริษัท ดีแอนด์จี คอร์ปอเรชั่น จำกัด
D&G CORPORATION CO.,LTD.

307/223 ถนนจันทน์วิถี หมู่ 5 ต.บึงบัว อ.เมือง จ.สุราษฎร์ธานี 84000 โทร. 02-0668-6654 โทรสาร. 02-0668-6513
307/223 Chuanvitthi Road, Bangkhuang, Bangkok 10700 Thailand Tel. (662)0668-6654 Fax. (662)0668-6513

Analysis/Test Report

Private Laboratory Registration 7-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 11/07/2024

Sampling Method : Grab

Report Date : 18/07/2024

Sampling Date : 10/07/2024

Report No. : WT3830767001

Receive Date : 11/07/2024

Parameter	Unit	Method**	2065/07/24	2066/07/24	Standard ***
			Influent Beach	Effluent Beach	
*pH	-	Electrometric Method	7.6	7.2	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	100	30	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	96	26	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	473	300	<500
Oil & Grease	mg/L	Partition Gravimetric	2.50	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	<0.5
Sulfide	mg/L	Idometric Method	2.00	<1.0	<1.0
TKN	mg/L	Kjeldahl	46.15	6.30	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbid yellow odour sediment	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis



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D&G CORPORATION CO.,LTD.

307/223 ถนนวิภาวดีรังสิต แขวงบางเขนบุรี เขตบางเขน กรุงเทพมหานคร 10700 Tel. 02-660-6625-6 โทรสาร. 02-660-6513
307/223 ถนนวิภาวดีรังสิต แขวงบางเขนบุรี เขตบางเขน กรุงเทพมหานคร 10700 Thailand Tel. 06626606625-6 Fax. 066266066513

Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 11/07/2024

Sampling Method : Grab

Report Date : 18/07/2024

Sampling Date : 10/07/2024

Report No. : WT3830767002

Receive Date : 11/07/2024

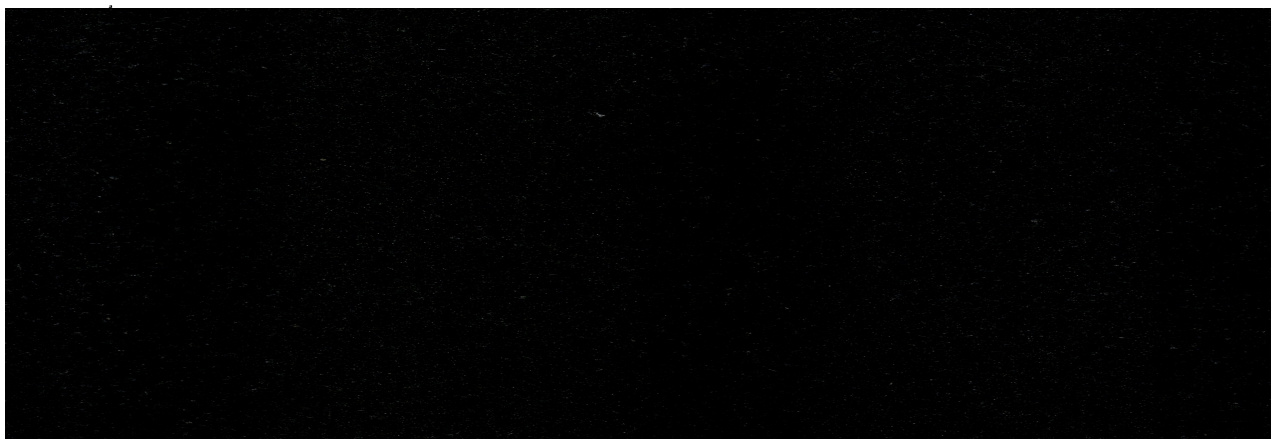
Parameter	Unit	Method**	2067/07/24	2068/07/24	Standard ***
			Influent Engineer room	Effluent Engineer room	
*pH	-	Electrometric Method	7.4	7.2	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	95	28	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	95	25	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	415	337	<500
Oil & Grease	mg/L	Partition Gravimetric	5.20	ND	<20
Settleable Solids	mg/L	Volumetric Method	3.0	<0.1	<0.5
Sulfide	mg/L	Idometric Method	3.0	<1.0	<1.0
TKN	mg/L	Kjeldahl	41.80	11.40	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbidity black sediment	Light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis





Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 10/08/2024

Sampling Method : Grab

Report Date : 16/08/2024

Sampling Date : 09/08/2024

Report No. : WT3830867001

Receive Date : 10/08/2024

Parameter	Unit	Method**	2252/08/24	2253/08/24	Standard ***
			Influent Engineer room	Effluent Engineer room	
*pH	-	Electrometric Method	7.1	7.2	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	94	16	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	74	25	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	416	309	<500
Oil & Grease	mg/L	Partition Gravimetric	3.00	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	<0.5
Sulfide	mg/L	Idometric Method	1.60	<1.0	<1.0
TKN	mg/L	Kjeldahl	37.10	11.50	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbid yellow odour sediment	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis



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307/223 Chawengsuwong Rd. Bangbanuei, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)060-6654 Fax. (662)060-6513

Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 10/08/2024

Sampling Method : Grab

Report Date : 16/08/2024

Sampling Date : 09/08/2024

Report No. : WT3830867002

Receive Date : 10/08/2024

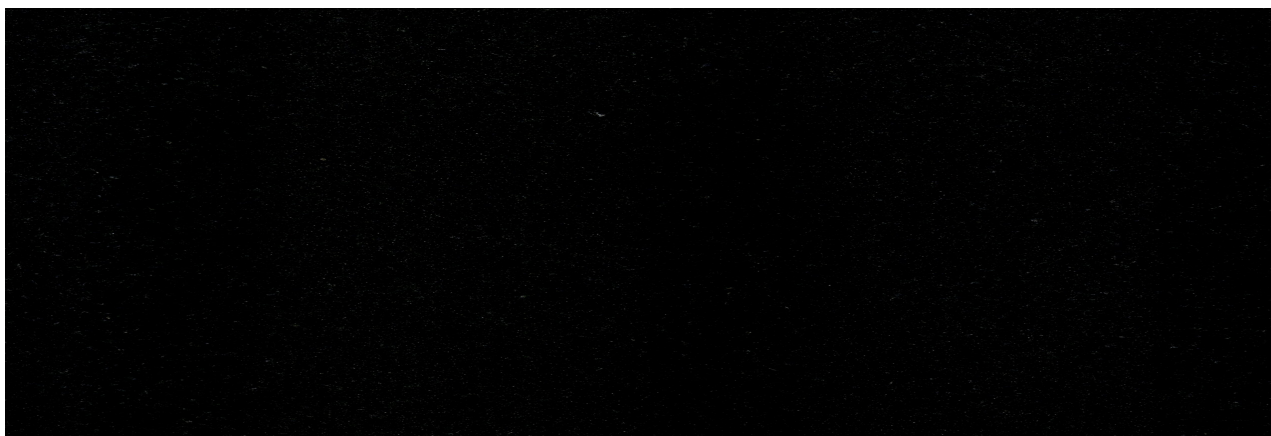
Parameter	Unit	Method**	2254/08/24	2255/08/24	Standard ***
			Influent Beach	Effluent Beach	
*pH	-	Electrometric Method	7.3	7.2	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	104	18	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	96	20	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	391	266	<500
Oil & Grease	mg/L	Partition Gravimetric	2.80	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	<0.5
Sulfide	mg/L	Idometric Method	1.00	<1.0	<1.0
TKN	mg/L	Kjeldahl	35.30	16.10	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbidity black sediment	Light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis





Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 18/09/2024

Sampling Method : Grab

Report Date : 26/09/2024

Sampling Date : 18/09/2024

Report No. : WT3830967001

Receive Date : 19/09/2024

Parameter	Unit	Method**	2633/09/24	2634/09/24	Standard ***
			Influent Engineer room	Effluent Engineer room	
*pH	-	Electrometric Method	7.6	7.4	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	80	2	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	71	15	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	415	310	<500
Oil & Grease	mg/L	Partition Gravimetric	4.21	1.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	<0.5
Sulfide	mg/L	Idometric Method	1.5	<1.0	<1.0
TKN	mg/L	Kjeldahl	45.00	10.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbid yellow odour sediment	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis



Analysis/Test Report

Private Laboratory Registration 9-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 18/09/2024

Sampling Method : Grab

Report Date : 26/09/2024

Sampling Date : 18/09/2024

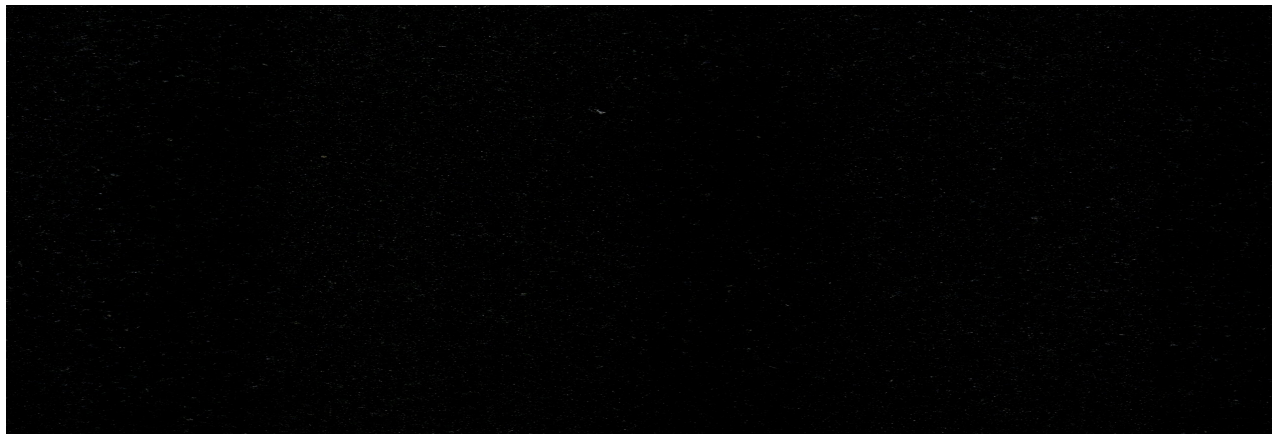
Report No. : WT3830967002

Receive Date : 19/09/2024

Parameter	Unit	Method**	2635/09/24	2636/09/24	Standard ***
			Influent Beach	Effluent Beach	
*pH	-	Electrometric Method	7.1	7.2	5.5-9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	96	10	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	88	11	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	400	338	<500
Oil & Grease	mg/L	Partition Gravimetric	2.50	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	<0.5
Sulfide	mg/L	Idometric Method	0.97	<1.0	<1.0
TKN	mg/L	Kjeldahl	41.30	14.10	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbidity black sediment	Light yellow	

Remark :

- (1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works
(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017
(3)*** Pollution Control Department, Ministry of Natural Resources and environmental BE.2548, Thailand for wastewater analysis





Analysis/Test Report

Private Laboratory Registration 9-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 11/10/2024

Sampling Method : Grab

Report Date : 18/10/2024

Sampling Date : 10/10/2024

Report No. : WT3831067001

Receive Date : 11/10/2024

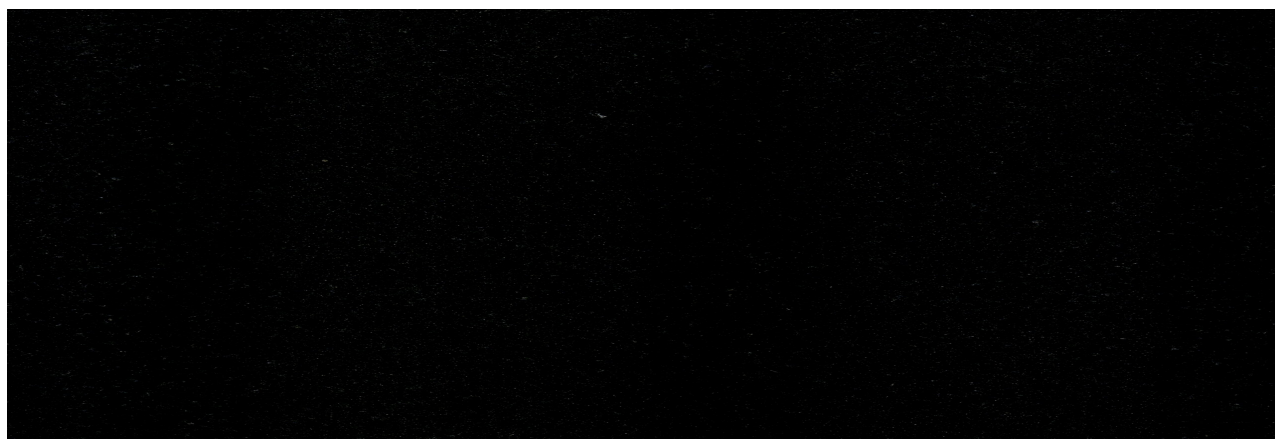
Parameter	Unit	Method**	2846/10/24	2847/10/24	Standard ***
			Influent Beach	Effluent Beach	
*pH	-	Electrometric Method	7.2	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	91	3	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	78	8	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	399	300	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.00	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	-
Sulfide	mg/L	Idometric Method	<0.1	<1.0	<1.0
TKN	mg/L	Kjeldahl	47.10	4.18	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	250	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	80	<1,000
Sample Condition		Observation	Turbid yellow odour sediment	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567





Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 11/10/2024

Sampling Method : Grab

Report Date : 18/10/2024

Sampling Date : 10/10/2024

Report No. : WT3831067002

Receive Date : 11/10/2024

Parameter	Unit	Method**	2848/10/24	2849/10/24	Standard ***
			Influent Engineer room	Effluent Engineer room	
*pH	-	Electrometric Method	6.8	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	88	7	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	100	15	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	383	321	<1,000
Oil & Grease	mg/L	Partition Gravimetric	3.50	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	<0.1	-
Sulfide	mg/L	Idometric Method	2.00	<1.0	<1.0
TKN	mg/L	Kjeldahl	49.00	5.52	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>160,000	>5,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>160,000	>1,000	<1,000
Sample Condition		Observation	Turbid black sediment	Light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT3831167001

Receive Date : 09/11/2024

Parameter	Unit	Method**	4022/11/24	Standard ***
			Influent Engineer room	
*pH	-	Electrometric Method	7.5	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	85	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	96	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	418	<1,000
Oil & Grease	mg/L	Partition Gravimetric	8.00	<20
Settleable Solids	mg/L	Volumetric Method	0.8	-
Sulfide	mg/L	Idometric Method	0.51	<1.0
TKN	mg/L	Kjeldahl	41.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>16,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>16,000	<1,000
Sample Condition		Observation	Turbid black sediment	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๗-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT3831067001

Receive Date : 09/11/2024

Parameter	Unit	Method**	4023/11/24	Standard
			Effluent Engineer room	

*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	11	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	19	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	300	<1,000
Oil & Grease	mg/L	Partition Gravimetric	1.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	8.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	360	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	100	<1,000
Sample Condition		Observation	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration 9-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT3831167002

Receive Date : 09/11/2024

Parameter	Unit	Method**	4024/11/24	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.6	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	71	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	86	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	429	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.10	<20
Settleable Solids	mg/L	Volumetric Method	0.4	-
Sulfide	mg/L	Idometric Method	0.92	<1.0
TKN	mg/L	Kjeldahl	38.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>16,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>16,000	<1,000
Sample Condition		Observation	Turbid yellow sediment	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT3831167002

Receive Date : 09/11/2024

Parameter	Unit	Method**	4025/11/24	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	9	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	16	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	293	<1,000
Oil & Grease	mg/L	Partition Gravimetric	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	6.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	550	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	290	<1,000
Sample Condition		Observation	Light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

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(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT3831267001

Receive Date : 17/12/2024

Parameter	Unit	Method**	4374/12/24	Standard
			Influent Engineer room	

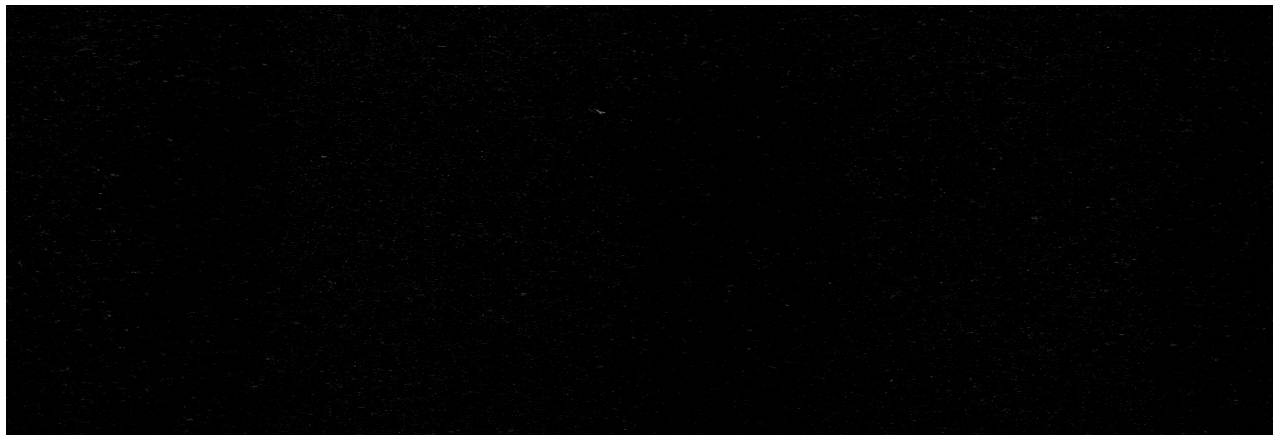
*pH	-	Electrometric Method	7.4	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	74	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	91	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	338	<1,000
Oil & Grease	mg/L	Partition Gravimetric	2.0	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	8.00	<1.0
TKN	mg/L	Kjeldahl	41.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>16,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>16,000	<1,000
Sample Condition		Observation	Turbid black sediment	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567





Analysis/Test Report

Private Laboratory Registration ๗-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT3831267001

Receive Date : 17/12/2024

Parameter	Unit	Method**	4375/12/24	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.1	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	11	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	20	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	412	<1,000
Oil & Grease	mg/L	Partition Gravimetric	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	11.30	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	450	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	280	<1,000
Sample Condition		Observation	light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๓-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT3831267002

Receive Date : 17/12/2024

Parameter	Unit	Method**	4376/12/24	Standard
			Influent Beach	
*pH	-	Electrometric Method	7.8	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	90	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	77	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	480	<1,000
Oil & Grease	mg/L	Partition Gravimetric	8.0	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	4.0	<1.0
TKN	mg/L	Kjeldahl	39.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	>16,000	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	>16,000	<1,000
Sample Condition		Observation	Turbid yellow sediment	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer Name : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Waste Water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT3831267002

Receive Date : 17/12/2024

Parameter	Unit	Method**	4377/12/24	Standard
			Effluent Beach	
*pH	-	Electrometric Method	7.6	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	14	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	21	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	343	<1,000
Oil & Grease	mg/L	Partition Gravimetric	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	7.15	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	320	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	100	<1,000
Sample Condition		Observation	Light yellow	

Remark :

(1)* Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Works

(2)** Method Based on Standard Methods for The examination of Water & Wastewater, APHA,AWWA,WEF 23rd Edition, 2017

(3)*** Announcement of the Ministry of Natural Resources and Environment on the determination of standards for controlling waste water discharge from certain types and sizes of buildings Act B.E. 2567

ภาคผนวกที่ 2.2

ผลการตรวจวิเคราะห์คุณภาพน้ำสระว่ายน้ำ (SWIMMING POOL)



Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 11/07/2024

Sampling Method : Grab

Report Date : 18/07/2024

Sampling Date : 10/07/2024

Report No. : WT2670767002

Received Date : 11/07/2024

Parameter	Unit	Method**	2061/07/24	Standard ***
			Swimming Pool A	
pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	0.74	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.60	0.5 – 1.0
Alkalinity	ppm	Titration Method	92	80 – 100
Calcium hardness	mg/L	Titration Method	360	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.60	30 – 60
Chloride	mg/L	Titration Method	393	<600
Ammonia	mg/L	Phenate Method	8.90	<20
Nitrate	mg/L	Nitrate Electrode	0.7400	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 10/08/2024

Sampling Method : Grab

Report Date : 16/08/2024

Sampling Date : 09/08/2024

Report No. : WT2670867002

Received Date : 10/08/2024

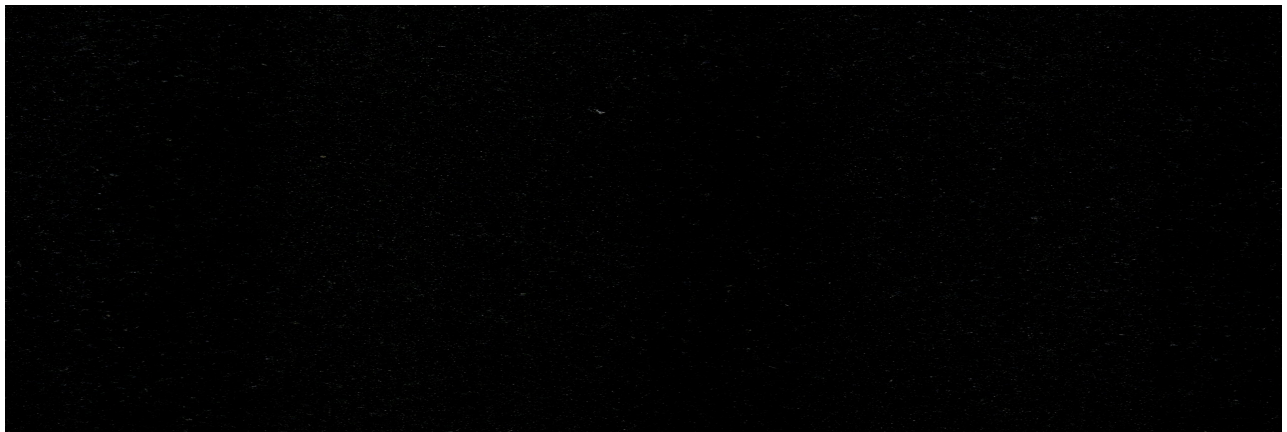
Parameter	Unit	Method**	2243/08/24	Standard ***
			Swimming Pool A	
pH	-	Electrometric Method	7.2	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	0.66	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.78	0.5 – 1.0
Alkalinity	ppm	Titration Method	92	80 – 100
Calcium hardness	mg/L	Titration Method	338	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.10	30 – 60
Chloride	mg/L	Titration Method	429	<600
Ammonia	mg/L	Phenate Method	8.30	<20
Nitrate	mg/L	Nitrate Electrode	0.6500	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis





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307/223 Charansanitwong Rd, Bangkhunvi, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)868-6654 Fax. (662)868-6543

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui
Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320
Sample Type : Swimming water Analytical Date : 18/09/2024
Sampling Method : Grab Report Date : 26/09/2024
Sampling Date : 18/09/2024 Report No. : WT2670967002
Received Date : 18/09/2024

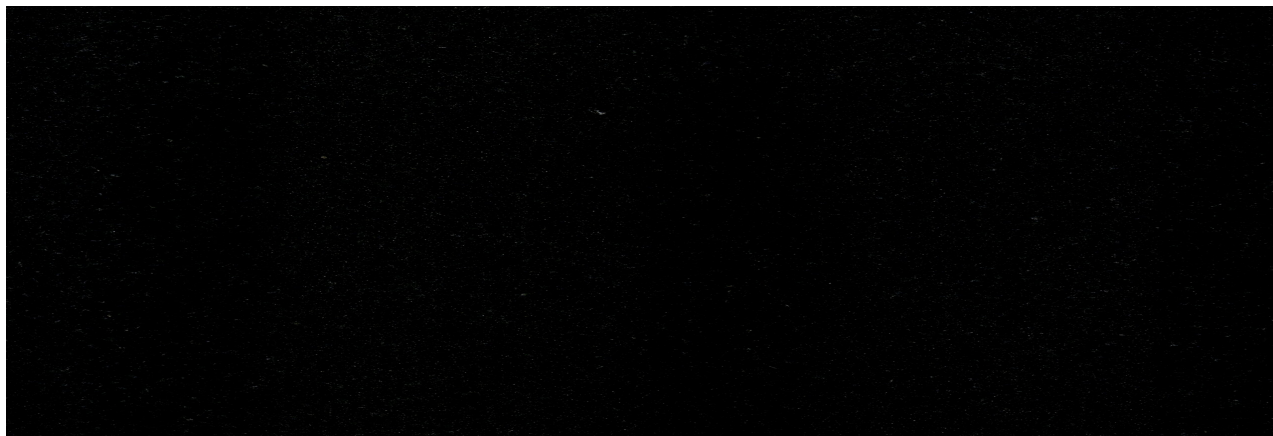
Parameter	Unit	Method**	2640/09/24	Standard ***
			Swimming Pool A	
pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.90	0.5 – 1.0
Alkalinity	ppm	Titration Method	98	80 – 100
Calcium hardness	mg/L	Titration Method	300	250 – 600
Cyanuric acid	mg/L	Turbidimetric	38.20	30 – 60
Chloride	mg/L	Titration Method	320	<600
Ammonia	mg/L	Phenate Method	7.20	<20
Nitrate	mg/L	Nitrate Electrode	0.7400	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis





Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 11/10/2024

Sampling Method : Grab

Report Date : 18/10/2024

Sampling Date : 10/10/2024

Report No. : WT2671067002

Received Date : 11/10/2024

Parameter	Unit	Method**	2851/10/24	Standard
			Swimming Pool A	
pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.50	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.85	0.5 – 1.0
Alkalinity	ppm	Titration Method	99	80 – 100
Calcium hardness	mg/L	Titration Method	285	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.30	30 – 60
Chloride	mg/L	Titration Method	371	<600
Ammonia	mg/L	Phenate Method	6.30	<20
Nitrate	mg/L	Nitrate Electrode	0.7100	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



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307/223 Charanvithong Rd., Bangkhunsi, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)868-6654 Fax. (662)868-6543

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT2671167002

Received Date : 09/11/2024

Parameter	Unit	Method**	4036/11/24	Standard ***
			Swimming Pool C	
pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.70	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	306	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.10	30 – 60
Chloride	mg/L	Titration Method	338	<600
Ammonia	mg/L	Phenate Method	5.30	<20
Nitrate	mg/L	Nitrate Electrode	0.7700	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT2671267002

Received Date : 17/12/2024

Parameter	Unit	Method**	4352/12/24	Standard
			Swimming Pool A	

pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.61	0.5 – 1.0
Alkalinity	ppm	Titration Method	94	80 – 100
Calcium hardness	mg/L	Titration Method	293	250 – 600
Cyanuric acid	mg/L	Turbidimetric	44.20	30 – 60
Chloride	mg/L	Titration Method	206	<600
Ammonia	mg/L	Phenate Method	8.30	<20
Nitrate	mg/L	Nitrate Electrode	0.7500	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



Analysis/Test Report

Private Laboratory Registration 3-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 10/08/2024

Sampling Method : Grab

Report Date : 16/08/2024

Sampling Date : 09/08/2024

Report No. : WT2670867003

Received Date : 10/08/2024

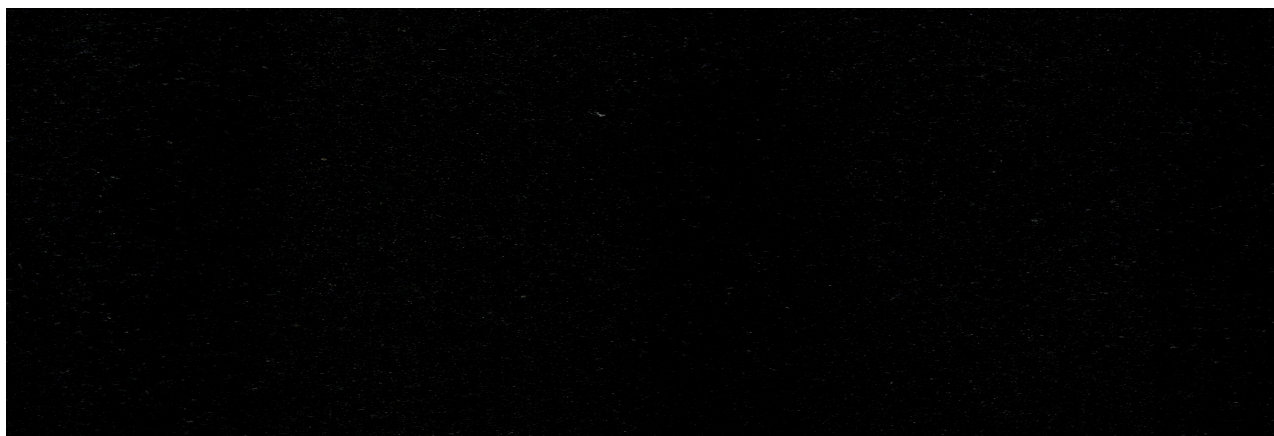
Parameter	Unit	Method**	2224/08/24	Standard ***
			Swimming Pool B	
pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	0.85	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.74	0.5 – 1.0
Alkalinity	ppm	Titration Method	96	80 – 100
Calcium hardness	mg/L	Titration Method	288	250 – 600
Cyanuric acid	mg/L	Turbidimetric	34.30	30 – 60
Chloride	mg/L	Titration Method	306	<600
Ammonia	mg/L	Phenate Method	8.30	<20
Nitrate	mg/L	Nitrate Electrode	0.7400	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)**Ministry of Public Health BE.2550, Thailand for swimming pool analysis





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307/223 Charansanitwong Rd, Bangkhunsi, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)868-6654 Fax. (662)868-6543

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui
Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320
Sample Type : Swimming water Analytical Date : 19/09/2024
Sampling Method : Grab Report Date : 26/09/2024
Sampling Date : 18/09/2024 Report No. : WT2670967003
Received Date : 19/09/2024

Parameter	Unit	Method**	2641/09/24	Standard ***
			Swimming Pool B	
pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.66	0.5 – 1.0
Alkalinity	ppm	Titration Method	99	80 – 100
Calcium hardness	mg/L	Titration Method	360	250 – 600
Cyanuric acid	mg/L	Turbidimetric	37.40	30 – 60
Chloride	mg/L	Titration Method	317	<600
Ammonia	mg/L	Phenate Method	9.30	<20
Nitrate	mg/L	Nitrate Electrode	0.6500	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui
Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320
Sample Type : Swimming water Analytical Date : 11/10/2024
Sampling Method : Grab Report Date : 18/10/2024
Sampling Date : 10/10/2024 Report No. : WT2671067003
Received Date : 11/10/2024

Parameter	Unit	Method**	2852/10/24	Standard ***
			Swimming Pool C	
pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.99	0.5 – 1.0
Alkalinity	ppm	Titration Method	95	80 – 100
Calcium hardness	mg/L	Titration Method	303	250 – 600
Cyanuric acid	mg/L	Turbidimetric	45.20	30 – 60
Chloride	mg/L	Titration Method	413	<600
Ammonia	mg/L	Phenate Method	7.30	<20
Nitrate	mg/L	Nitrate Electrode	0.9900	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



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307/223 Charansanitwong Rd. Bangkhunsi, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)868-6654 Fax. (662)868-6513

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT2671167003

Received Date : 09/11/2024

Parameter	Unit	Method**	4037/11/24	Standard ***
			Swimming Pool B	
pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.92	0.5 – 1.0
Alkalinity	ppm	Titration Method	94	80 – 100
Calcium hardness	mg/L	Titration Method	266	250 – 600
Cyanuric acid	mg/L	Turbidimetric	41.00	30 – 60
Chloride	mg/L	Titration Method	304	<600
Ammonia	mg/L	Phenate Method	7.00	<20
Nitrate	mg/L	Nitrate Electrode	0.8500	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis



บริษัท ดีแอนด์จี คอร์ปอเรชั่น จำกัด
D&G CORPORATION CO.,LTD.

307/223 ถนนเจริญสุขุมวิท แขวงบางขุนศรี เขตบางกอกน้อย กรุงเทพฯ 10700 โทร. 02-868-6654 โทรสาร. 02-868-6543
307/223 Charansanitwong Rd, Bangkhunsi, Bangkoknoi, Bangkok 10700 Thailand Tel. (662)868-6654 Fax. (662)868-6543

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Swimming water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT2671267003

Received Date : 17/12/2024

Parameter	Unit	Method**	4353/12/24	Standard ***
			Swimming Pool B	
pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	0.90	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.74	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	300	250 – 600
Cyanuric acid	mg/L	Turbidimetric	43.00	30 – 60
Chloride	mg/L	Titration Method	293	<600
Ammonia	mg/L	Phenate Method	11.00	<20
Nitrate	mg/L	Nitrate Electrode	0.7400	<50
Coliform, Total	MPN/1000mL	APHA: 9221 B	ND	<10
Coliform, Fecal	MPN/1000mL	APHA: 9221 E	ND	Not detected
E.coli	MPN/1000mL	APHA: 9221 G	ND	Not detected
Staphylococcus aureus	MPN/1000mL	APHA: 9213 B	ND	Not detected
Pseudomonas aeruginosa	MPN/1000mL	ISO 1622	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Ministry of Public Health BE.2550, Thailand for swimming pool analysis

ภาคผนวกที่ 2.3

ผลการตรวจวิเคราะห์คุณภาพน้ำใช้ (WATER SUPPLY)



บริษัท ดีแอนด์จี คอร์ปอเรชั่น จำกัด
D&G CORPORATION CO.,LTD.

107/221 ถนนเจริญวัฒนา แขวงบางคูลักษ์ เขตบางพลี กรุงเทพมหานคร 10700 โทร. 02-868-6854 โทรสาร. 02-868-6843
207/221 Charoentawat Rd. Bangkhruai, Bangkok, 10700 Thailand Tel : 6621868-6854 Fax : 6621868-6843

Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Tap Water

Analytical Date : 11/07/2024

Sampling Method : Grab

Report Date : 18/07/2024

Sampling Date : 10/07/2024

Report No. : WT3830767001

Received Date : 11/07/2023

Parameter	Unit	Method**	2060/07/24	Standard ***
			Cold water Room. 3135	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Water quality standards Ministry of Public Health, Department of Health,2020



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui
Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320
Sample Type : Tap Water Analytical Date : 10/08/2024
Sampling Method : Grab Report Date : 16/08/2024
Sampling Date : 09/08/2024 Report No. : WT3830867001
Received Date : 10/08/2023

Parameter	Unit	Method**	2242/08/24	Standard ***
			Cold water Room. 2102	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

- (1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work
- (2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017
- (3)***Water quality standards Ministry of Public Health, Department of Health,2020



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui
Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320
Sample Type : Tap Water Analytical Date : 19/09/2024
Sampling Method : Grab Report Date : 26/09/2024
Sampling Date : 18/09/2024 Report No. : WT3830967001
Received Date : 19/09/2023

Parameter	Unit	Method**	2639/09/24	Standard ***
			Filtered Water	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Water quality standards Ministry of Public Health, Department of Health,2020



Analysis/Test Report

Private Laboratory Registration ๗-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Tap Water

Analytical Date : 11/10/2024

Sampling Method : Grab

Report Date : 18/10/2024

Sampling Date : 10/10/2024

Report No. : WT3831067001

Received Date : 11/10/2024

169090

Parameter	Unit	Method**	2850/10/24	Standard ***
			Cold Water wash basin engineer room	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Water quality standards Ministry of Public Health, Department of Health,2020

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Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Tap Water

Analytical Date : 09/11/2024

Sampling Method : Grab

Report Date : 15/11/2024

Sampling Date : 08/11/2024

Report No. : WT3831167001

Received Date : 09/11/2024

Parameter	Unit	Method**	4035/11/24	Standard ***
			Cold Water wash basin guest room.3131	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Water quality standards Ministry of Public Health, Department of Health,2020



Analysis/Test Report

Private Laboratory Registration ๖-๒๓๘

Customer : Amari Koh Samui

Address : 14/3 chaweng Beach Rd., Bophut, Koh samui, Suratthani, 84320

Sample Type : Tap Water

Analytical Date : 17/12/2024

Sampling Method : Grab

Report Date : 24/12/2024

Sampling Date : 16/12/2024

Report No. : WT3831267001

Received Date : 17/12/2024

Parameter	Unit	Method**	4351/12/24	Standard ***
			Filtered water	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

Remark :

(1)*Types of pollutants allowed to apply for the registration of private analytical laboratories. Department of Industrial Work

(2)** Method Based on Standard Methods for The examination of Water & Wastewater 23rd Edition, 2017

(3)***Water quality standards Ministry of Public Health, Department of Health,2020