

ภาคผนวกที่ 2

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวกที่ 2.1

ผลการตรวจวิเคราะห์คุณภาพน้ำเสียก่อนบำบัด และน้ำผ่านการบำบัด
(INFLUENT - EFFLUENT)



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 : 05/07/2025

Sampling Method : Grab

Report Date : 11/07/2025

Sampling Date : 05/07/2025

Report No. : WT3830768001

Receive Date : 05/07/2025

Parameter	Unit	Method**	1921/07/25	Standard
			Influent Engineer room	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	152	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	137	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	00	<1,000
Oil & Grease	mg/L	Partition Gravimetric	3.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	3	<1.0
TKN	mg/L	Kjeldahl	41	<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

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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 : 05/07/2025

Sampling Method : Grab

Report Date : 11/07/2025

Sampling Date : 05/07/2025

Report No. : WT3830768002

Receive Date : 05/07/2025

Parameter	Unit	Method**	1922/07/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.0	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	23	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	323	<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	13	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	560	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	400	<1,000
Sample Condition		Observation	light yellow	

Remark :

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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 : 05/07/2025

Sampling Method : Grab

Report Date : 11/07/2025

Sampling Date : 05/07/2025

Report No. : WT383068003

Receive Date : 05/07/2025

Parameter	Unit	Method**	1923/07/25	Standard
			Influent Beach	

*pH	-	Electrometric Method	7.1	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	114	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	150	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	427	<1,000
Oil & Grease	mg/L	Partition Gravimetric	2.80	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	38	<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

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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 : 05/07/2025

Sampling Method : Grab

Report Date : 11/07/2025

Sampling Date : 05/07/2025

Report No. : WT3830768004

Receive Date : 05/07/2025

Parameter	Unit	Method**	1924/07/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	13	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	27	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	300	<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	19	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	500	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	320	<1,000
Sample Condition		Observation	Light yellow	

Remark :

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Private Laboratory Registration ၇-၂၅၈၆

Receive Date : 16/08/2025

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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 : 16/08/2025

Sampling Method : Grab

Report Date : 22/08/2025

Sampling Date : 15/08/2025

Report No. : WT3830868002

Receive Date : 16/08/2025

Parameter	Unit	Method**	2317/08/25	Standard
			Effluent behind room 3218	
*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	22	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	300	<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	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	300	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	230	<1,000
Sample Condition		Observation	light yellow	

Remark :

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22/08/2025

22/08/2025

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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 : 16/08/2025

Sampling Method : Grab

Report Date : 21/08/2025

Sampling Date : 15/08/2025

Report No. : WT3830868003

Receive Date : 16/08/2025

Parameter	Unit	Method**	2318/08/25	Standard
			Influent beside engineer room	

*pH	-	Electrometric Method	7.0	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	106	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	171	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	453	<1,000
Oil & Grease	mg/L	Partition Gravimetric	2.50	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	3	<1.0
TKN	mg/L	Kjeldahl	49	<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 :

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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

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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 : 16/08/2025

Sampling Method : Grab

Report Date : 22/08/2025

Sampling Date : 15/08/2025

Report No. : WT3830868004

Receive Date : 16/08/2025

Parameter	Unit	Method**	2319/08/25	Standard ***
			Effluent beside engineer room	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	10	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	21	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	291	<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	13	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	299	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	180	<1,000
Sample Condition		Observation	Light yellow	

Remark :

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Private Laboratory Registration ၇-၂၈၈

Receive Date : 19/09/2025

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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 : 19/09/2025

Sampling Method : Grab

Report Date : 26/09/2025

Sampling Date : 18/09/2025

Report No. : WT3830968002

Receive Date : 19/09/2025

Parameter	Unit	Method**	2591/09/25	Standard ***
			Effluent near the engineer room	
*pH	-	Electrometric Method	7.0	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	10	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	38	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	271	<1,000
Oil & Grease	mg/L	Partition Gravimetric	2.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	19	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	750	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	312	<1,000
Sample Condition		Observation	Turbid gray	

Remark :

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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 : 19/09/2025

Sampling Method : Grab

Report Date : 26/09/2025

Sampling Date : 18/09/2025

Report No. : WT3830968003

Receive Date : 19/09/2025

Parameter	Unit	Method**	2604/09/25	Standard ***
			Influent at the beach side area	
*pH	-	Electrometric Method	6.9	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	60	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	100	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	352	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	40	<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

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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 : 19/09/2025

Sampling Method : Grab

Report Date : 26/09/2025

Sampling Date : 18/09/2025

Report No. : WT3830968004

Receive Date : 19/09/2025

Parameter	Unit	Method**	2605/09/25	Standard ***
			Effluent at the beach side area	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	18	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	33	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	280	<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	12	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	500	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	128	<1,000
Sample Condition		Observation	Turbid gray	

Remark :

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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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT3831068001

Receive Date : 18/10/2025

Parameter	Unit	Method**	2875/10/25	Standard
			Influent near the engineer room	
*pH	-	Electrometric Method	6.7	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	94	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	96	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	430	<1,000
Oil & Grease	mg/L	Partition Gravimetric	3	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	3	<1.0
TKN	mg/L	Kjeldahl	47	<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 :

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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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT3831068002

Receive Date : 18/10/2025

Parameter	Unit	Method**	2876/10/25	Standard ***
			Effluent near the engineer room	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	20	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	22	<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	18	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	850	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	600	<1,000
Sample Condition		Observation	Turbid gray	

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

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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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT3831068003

Receive Date : 18/10/2025

Parameter	Unit	Method**	2873/10/25	Standard ***
			Influent at the beach side area	
*pH	-	Electrometric Method	6.8	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	86	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	118	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	641	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	4	<1.0
TKN	mg/L	Kjeldahl	45	<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 :

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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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT3831068004

Receive Date : 18/10/2025

Parameter	Unit	Method**	2876/10/25	Standard ***
			Effluent at the beach side area	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	20	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	22	<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	18	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	540	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	350	<1,000
Sample Condition		Observation	Turbid gray	

Remark :

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

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Analysis/Test Report

Private Laboratory Registration ၇-၂၈၈

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT3831168001

Receive Date : 14/11/2025

Parameter	Unit	Method**	3136/11/25	Standard ***
			Influent near the engineer room	
*pH	-	Electrometric Method	7.5	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	86	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	128	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	459	<1,000
Oil & Grease	mg/L	Partition Gravimetric	11.50	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	5	<1.0
TKN	mg/L	Kjeldahl	51	<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

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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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT3831168002

Receive Date : 14/11/2025

Parameter	Unit	Method**	3137/11/25	Standard ***
			Effluent near the engineer room	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	12	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	30	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	368	<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	26	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	700	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	520	<1,000
Sample Condition		Observation	Turbid 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

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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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT3831168003

Receive Date : 14/11/2025

Parameter	Unit	Method**	3138/11/25	Standard
			Influent at the beach side area	
*pH	-	Electrometric Method	7.6	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	64	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	99	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	471	<1,000
Oil & Grease	mg/L	Partition Gravimetric	8.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	6	<1.0
TKN	mg/L	Kjeldahl	49	<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

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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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT3831168004

Receive Date : 14/11/2025

Parameter	Unit	Method**	3139/11/25	Standard ***
			Effluent at the beach side area	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	7	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	27	<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	21	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	700	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	260	<1,000
Sample Condition		Observation	Turbid 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

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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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT3831268001

Receive Date : 17/12/2025

Parameter	Unit	Method**	3368/12/25	Standard
			Influent near the engineer room	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	190	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	177	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	499	<1,000
Oil & Grease	mg/L	Partition Gravimetric	11.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	2	<1.0
TKN	mg/L	Kjeldahl	58	<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

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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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT3831268002

Receive Date : 17/12/2025

Parameter	Unit	Method**	3369/12/25	Standard ***
			Effluent near the engineer room	
*pH	-	Electrometric Method	7.0	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	16	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	40	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	271	<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	30	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	850	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	620	<1,000
Sample Condition		Observation	Turbid 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

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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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT3831268003

Receive Date : 17/12/2025

Parameter	Unit	Method**	3370/12/25	Standard
			Influent at the beach side area	
*pH	-	Electrometric Method	7.6	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	99	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	200	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	431	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	5	<1.0
TKN	mg/L	Kjeldahl	52	<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

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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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT3831268004

Receive Date : 17/12/2025

Parameter	Unit	Method**	3371/12/25	Standard ***
			Effluent at the beach side area	
*pH	-	Electrometric Method	6.8	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	15	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	40	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	378	<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	27	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	950	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	530	<1,000
Sample Condition		Observation	Turbid 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

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ภาคผนวกที่ 2.2

ผลการตรวจวิเคราะห์คุณภาพน้ำสระว่ายน้ำ (SWIMMING POOL)



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 : 05/07/2025

Sampling Method : Grab

Report Date : 14/07/2025

Sampling Date : 05/07/2025

Report No. : WT2670768002

Received Date : 05/07/2025

Parameter	Unit	Method**	1903/07/25	Standard
			Swimming Pool A	

pH	-	Electrometric Method	7.7	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.5	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.70	0.5 – 1.0
Alkalinity	ppm	Titration Method	96	80 – 100
Calcium hardness	mg/L	Titration Method	170	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.00	30 – 60
Chloride	mg/L	Titration Method	170	<600
Ammonia	mg/L	Phenate Method	7.20	<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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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 : 06/07/2025

Sampling Method : Grab

Report Date : 14/07/2025

Sampling Date : 05/07/2025

Report No. : WT2670768003

Received Date : 06/07/2025

Parameter	Unit	Method**	1904/07/25	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)	0.74	0.5 – 1.0
Alkalinity	ppm	Titration Method	99	80 – 100
Calcium hardness	mg/L	Titration Method	300	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.00	30 – 60
Chloride	mg/L	Titration Method	304	<600
Ammonia	mg/L	Phenate Method	9.00	<20
Nitrate	mg/L	Nitrate Electrode	0.8000	<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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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 : 16/08/2025

Sampling Method : Grab

Report Date : 22/08/2025

Sampling Date : 15/08/2025

Report No. : WT2670868002

Received Date : 16/08/2025

Parameter	Unit	Method**	2310/08/25	Standard
			Swimming Pool A	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.88	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	41.00	30 – 60
Chloride	mg/L	Titration Method	419	<600
Ammonia	mg/L	Phenate Method	8.30	<20
Nitrate	mg/L	Nitrate Electrode	0.5600	<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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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 : 16/08/2025

Sampling Method : Grab

Report Date : 22/08/2025

Sampling Date : 15/08/2025

Report No. : WT2670868003

Received Date : 16/08/2025

Parameter	Unit	Method**	2311/08/25	Standard
			Swimming Pool B	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.79	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	284	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.00	30 – 60
Chloride	mg/L	Titration Method	253	<600
Ammonia	mg/L	Phenate Method	8.33	<20
Nitrate	mg/L	Nitrate Electrode	0.9600	<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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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 : 13/09/2025

Sampling Method : Grab

Report Date : 19/09/2025

Sampling Date : 12/09/2025

Report No. : WT2670968002

Received Date : 13/09/2025

Parameter	Unit	Method**	2542/09/25	Standard
			Swimming Pool A	

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)	0.67	0.5 – 1.0
Alkalinity	ppm	Titration Method	98	80 – 100
Calcium hardness	mg/L	Titration Method	360	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.00	30 – 60
Chloride	mg/L	Titration Method	381	<600
Ammonia	mg/L	Phenate Method	5.00	<20
Nitrate	mg/L	Nitrate Electrode	0.4900	<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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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 : 13/09/2025

Sampling Method : Grab

Report Date : 19/09/2025

Sampling Date : 12/09/2025

Report No. : WT2670968003

Received Date : 13/09/2025

Parameter	Unit	Method**	2543/09/25	Standard
			Swimming Pool B	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.65	0.5 – 1.0
Alkalinity	ppm	Titration Method	373	80 – 100
Calcium hardness	mg/L	Titration Method	299	250 – 600
Cyanuric acid	mg/L	Turbidimetric	41.00	30 – 60
Chloride	mg/L	Titration Method	373	<600
Ammonia	mg/L	Phenate Method	11.00	<20
Nitrate	mg/L	Nitrate Electrode	0.9000	<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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT2671068002

Received Date : 18/10/2025

Parameter	Unit	Method**	2840/10/25	Standard
			Swimming Pool A	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.71	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	290	250 – 600
Cyanuric acid	mg/L	Turbidimetric	36.00	30 – 60
Chloride	mg/L	Titration Method	415	<600
Ammonia	mg/L	Phenate Method	8.30	<20
Nitrate	mg/L	Nitrate Electrode	0.3900	<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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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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT2671068003

Received Date : 18/10/2025

Parameter	Unit	Method**	2841/10/25	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)	0.99	0.5 – 1.0
Alkalinity	ppm	Titration Method	94	80 – 100
Calcium hardness	mg/L	Titration Method	278	250 – 600
Cyanuric acid	mg/L	Turbidimetric	37.00	30 – 60
Chloride	mg/L	Titration Method	331	<600
Ammonia	mg/L	Phenate Method	8.50	<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



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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT2671168002

Received Date : 14/11/2025

Parameter	Unit	Method**	3162/11/25	Standard
			Swimming Pool A	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.62	0.5 – 1.0
Alkalinity	ppm	Titration Method	99	80 – 100
Calcium hardness	mg/L	Titration Method	310	250 – 600
Cyanuric acid	mg/L	Turbidimetric	37.00	30 – 60
Chloride	mg/L	Titration Method	178	<600
Ammonia	mg/L	Phenate Method	11.00	<20
Nitrate	mg/L	Nitrate Electrode	0.9500	<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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT2671168003

Received Date : 14/11/2025

Parameter	Unit	Method**	3163/11/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.2	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.5	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.62	0.5 – 1.0
Alkalinity	ppm	Titration Method	95	80 – 100
Calcium hardness	mg/L	Titration Method	300	250 – 600
Cyanuric acid	mg/L	Turbidimetric	38.50	30 – 60
Chloride	mg/L	Titration Method	300	<600
Ammonia	mg/L	Phenate Method	7.10	<20
Nitrate	mg/L	Nitrate Electrode	0.6000	<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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT2671268002

Received Date : 17/12/2025

Parameter	Unit	Method**	3395/12/25	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)	0.78	0.5 – 1.0
Alkalinity	ppm	Titration Method	96	80 – 100
Calcium hardness	mg/L	Titration Method	305	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.00	30 – 60
Chloride	mg/L	Titration Method	399	<600
Ammonia	mg/L	Phenate Method	5.00	<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

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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 : Swimming water

Analytical Date : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT2671268003

Received Date : 17/12/2025

Parameter	Unit	Method**	3396/12/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.74	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	38.00	30 – 60
Chloride	mg/L	Titration Method	180	<600
Ammonia	mg/L	Phenate Method	5.00	<20
Nitrate	mg/L	Nitrate Electrode	0.7800	<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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ภาคผนวกที่ 2.3

ผลการตรวจวิเคราะห์คุณภาพน้ำใช้ (WATER SUPPLY)



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 : 05/07/2025

Sampling Method : Grab

Report Date : 14/07/2025

Sampling Date : 05/07/2025

Report No. : WT3830768001

Received Date : 05/07/2025

Parameter	Unit	Method**	1902/07/25	Standard ***
			Cold water in the guest wash basin in 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



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 : 16/08/2025

Sampling Method : Grab

Report Date : 22/08/2025

Sampling Date : 15/08/2025

Report No. : WT3830868001

Received Date : 16/08/2025

Parameter	Unit	Method**	2309/08/25	Standard ***
			Cold water in the guest wash basin in room 4214	
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 : 13/09/2025

Sampling Method : Grab

Report Date : 19/09/2025

Sampling Date : 12/09/2025

Report No. : WT3830968001

Received Date : 13/09/2025

Parameter	Unit	Method**	2541/09/25	Standard ***
			Cold water at the wash basin in guest room 3201	
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 : 18/10/2025

Sampling Method : Grab

Report Date : 24/10/2025

Sampling Date : 17/10/2025

Report No. : WT3831068001

Received Date : 18/10/2025

Parameter	Unit	Method**	2839/10/25	Standard ***
			Cold water at the wash basin in guest room 2108	
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 : 14/11/2025

Sampling Method : Grab

Report Date : 21/11/2025

Sampling Date : 13/11/2025

Report No. : WT3831168001

Received Date : 14/11/2025

Parameter	Unit	Method**	3161/11/25	Standard ***
			Cold water at the wash basin in guest room 2204	
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 : 17/12/2025

Sampling Method : Grab

Report Date : 24/12/2025

Sampling Date : 16/12/2025

Report No. : WT3831268001

Received Date : 17/12/2025

Parameter	Unit	Method**	3394/12/25	Standard ***
			Cold water at the wash basin in guest room 5510	
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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