

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 : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT3830168001

Receive Date : 11/01/2025

Parameter	Unit	Method**	0142/01/25	Standard ***
			Influent Engineer room	
*pH	-	Electrometric Method	6.9	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	118	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	96	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	399	<1,000
Oil & Grease	mg/L	Partition Gravimetric	8.30	<20
Settleable Solids	mg/L	Volumetric Method	2.0	-
Sulfide	mg/L	Idometric Method	1.50	<1.0
TKN	mg/L	Kjeldahl	49.10	<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

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

Sample Type : Waste Water

Analytical Date : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT3830168001

Receive Date : 11/01/2025

Parameter	Unit	Method**	0143/01/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.1	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	16	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	264	<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	13.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	650	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	331	<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 : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT3830168002

Receive Date : 11/01/2025

Parameter	Unit	Method**	0144/01/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	6.8	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	140	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	408	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.20	<20
Settleable Solids	mg/L	Volumetric Method	0.7	-
Sulfide	mg/L	Idometric Method	2.00	<1.0
TKN	mg/L	Kjeldahl	39.17	<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	

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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 : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT3830168002

Receive Date : 11/01/2025

Parameter	Unit	Method**	0145/01/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.4	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	364	<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	7.00	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	368	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	200	<1,000
Sample Condition		Observation	Light yellow	

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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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT3830268001

Receive Date : 12/02/2025

Parameter	Unit	Method**	0475/02/25	Standard
			Influent Engineer room	

*pH	-	Electrometric Method	7.3	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	51	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	618	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.00	<20
Settleable Solids	mg/L	Volumetric Method	7.0	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	39	<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	

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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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT3830268002

Receive Date : 12/02/2025

Parameter	Unit	Method**	0476/02/25	Standard ***
			Effluent Engineer room	
*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	14	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	309	<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	5	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	890	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	450	<1,000
Sample Condition		Observation	light yellow	

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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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT3830268002

Receive Date : 12/02/2025

Parameter	Unit	Method**	0477/02/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.3	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	49	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	630	<1,000
Oil & Grease	mg/L	Partition Gravimetric	3.0	<20
Settleable Solids	mg/L	Volumetric Method	12.0	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	42	<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	

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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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT3830268002

Receive Date : 12/02/2025

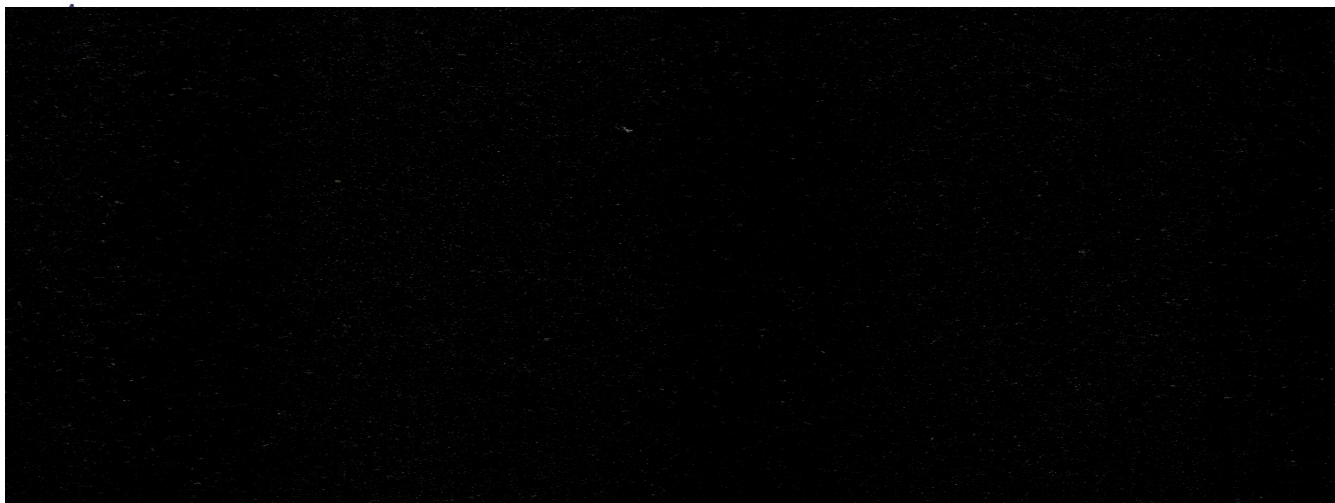
Parameter	Unit	Method**	0478/02/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	6.8	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	14	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	16	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	352	<1,000
Oil & Grease	mg/L	Partition Gravimetric	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	4	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	1,008	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	940	<1,000
Sample Condition		Observation	Light yellow	

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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 : 12/03/2025

Sampling Method : Grab

Report Date : 19/03/2025

Sampling Date : 12/03/2025

Report No. : WT3830368001

Receive Date : 12/03/2025

Parameter	Unit	Method**	0689/03/25	Standard
			Influent Engineer room	

*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	70	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	64	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	622	<1,000
Oil & Grease	mg/L	Partition Gravimetric	5.13	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	3	<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 black sediment	

Remark :

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Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 13/03/2025

Sampling Method : Grab

Report Date : 19/03/2025

Sampling Date : 12/03/2025

Report No. : WT3830368002

Receive Date : 13/03/2025

Parameter	Unit	Method**	0690/03/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.2	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	18	<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	12	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	590	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	311	<1,000
Sample Condition		Observation	light yellow	

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Sample Type : Waste Water

Analytical Date : 13/03/2025

Sampling Method : Grab

Report Date : 19/03/2025

Sampling Date : 12/03/2025

Report No. : WT3830368002

Receive Date : 13/03/2025

Parameter	Unit	Method**	0691/03/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	82	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	114	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	631	<1,000
Oil & Grease	mg/L	Partition Gravimetric	6.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	2	<1.0
TKN	mg/L	Kjeldahl	42	<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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Sample Type : Waste Water

Analytical Date : 13/03/2025

Sampling Method : Grab

Report Date : 19/03/2025

Sampling Date : 12/03/2025

Report No. : WT3830368002

Receive Date : 13/03/2025

Parameter	Unit	Method**	0692/03/25	Standard ***
			Effluent Beach	
*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	13	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	340	<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	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	200	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	10	<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 : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468001

Receive Date : 09/04/2025

Parameter	Unit	Method**	1080/04/25	Standard
			Influent Engineer room	

*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	83	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	71	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	683	<1,000
Oil & Grease	mg/L	Partition Gravimetric	7.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	4	<1.0
TKN	mg/L	Kjeldahl	44	<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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Sample Type : Waste Water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468002

Receive Date : 09/04/2025

Parameter	Unit	Method**	1081/04/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.4	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	13	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	306	<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	8	<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 :

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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 : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468003

Receive Date : 09/04/2025

Parameter	Unit	Method**	1078/04/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.4	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	92	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	109	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	600	<1,000
Oil & Grease	mg/L	Partition Gravimetric	3.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<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 yellow sediment	

Remark :

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

Sample Type : Waste Water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468004

Receive Date : 09/04/2025

Parameter	Unit	Method**	1081/04/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.3	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	8	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	10	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	415	<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	12	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	500	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	285	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT3830468001

Receive Date : 17/05/2025

Parameter	Unit	Method**	1319/05/25	Standard ***
			Influent Engineer room	
*pH	-	Electrometric Method	7.0	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	85	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	671	<1,000
Oil & Grease	mg/L	Partition Gravimetric	6.10	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	47.00	<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 : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT3830568002

Receive Date : 17/05/2025

Parameter	Unit	Method**	1320/05/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	7.2	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	12	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	288	<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	5	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	250	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	180	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT3830568003

Receive Date : 17/05/2025

Parameter	Unit	Method**	1321/05/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.1	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	96	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	118	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	580	<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	43	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT3830568004

Receive Date : 17/05/2025

Parameter	Unit	Method**	1322/05/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	6	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	10	<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	200	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	199	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT3830668001

Receive Date : 12/06/2025

Parameter	Unit	Method**	1585/06/25	Standard ***
			Influent Engineer room	
*pH	-	Electrometric Method	7.6	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	131	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	171	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	506	<1,000
Oil & Grease	mg/L	Partition Gravimetric	8.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	7	<1.0
TKN	mg/L	Kjeldahl	44	<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 : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT3830668002

Receive Date : 12/06/2025

Parameter	Unit	Method**	1589/06/25	Standard ***
			Effluent Engineer room	
*pH	-	Electrometric Method	6.9	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	19	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	26	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	341	<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	12	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	740	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	320	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT3830668003

Receive Date : 12/06/2025

Parameter	Unit	Method**	1587/06/25	Standard ***
			Influent Beach	
*pH	-	Electrometric Method	7.5	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	109	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	199	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	471	<1,000
Oil & Grease	mg/L	Partition Gravimetric	10.00	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	4	<1.0
TKN	mg/L	Kjeldahl	39	<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 ๗-๒๓๘

Customer Name : Amari Koh Samui

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

Sample Type : Waste Water

Analytical Date : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT3830668004

Receive Date : 12/06/2025

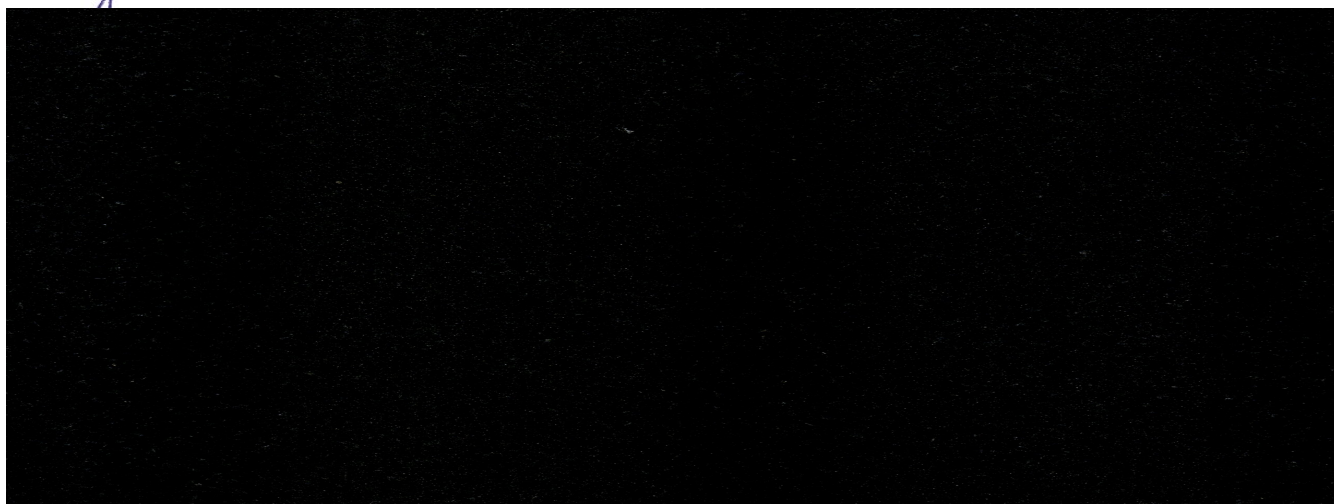
Parameter	Unit	Method**	1586/06/25	Standard ***
			Effluent Beach	
*pH	-	Electrometric Method	7.2	5.5 - 9.0
*BOD	mg/L	5-Day BOD Test, Azide Modification	16	<30
*Total Suspended Solids	mg/L	Dried at 103-105 °C	24	<40
*Total Dissolved Solids	mg/L	Dried at 180 °C	291	<1,000
Oil & Grease	mg/L	Partition Gravimetric	ND	<20
Settleable Solids	mg/L	Volumetric Method	<0.1	-
Sulfide	mg/L	Idometric Method	<1.0	<1.0
TKN	mg/L	Kjeldahl	17	<35
Coliform, Total	MPN/100mL	APHA: 9221 B	700	<5,000
Coliform, Fecal	MPN/100mL	APHA: 9221 E	400	<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 ๖-๒๓๘

Customer : Amari Koh Samui

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

Sample Type : Swimming water

Analytical Date : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT2670168002

Received Date : 11/01/2025

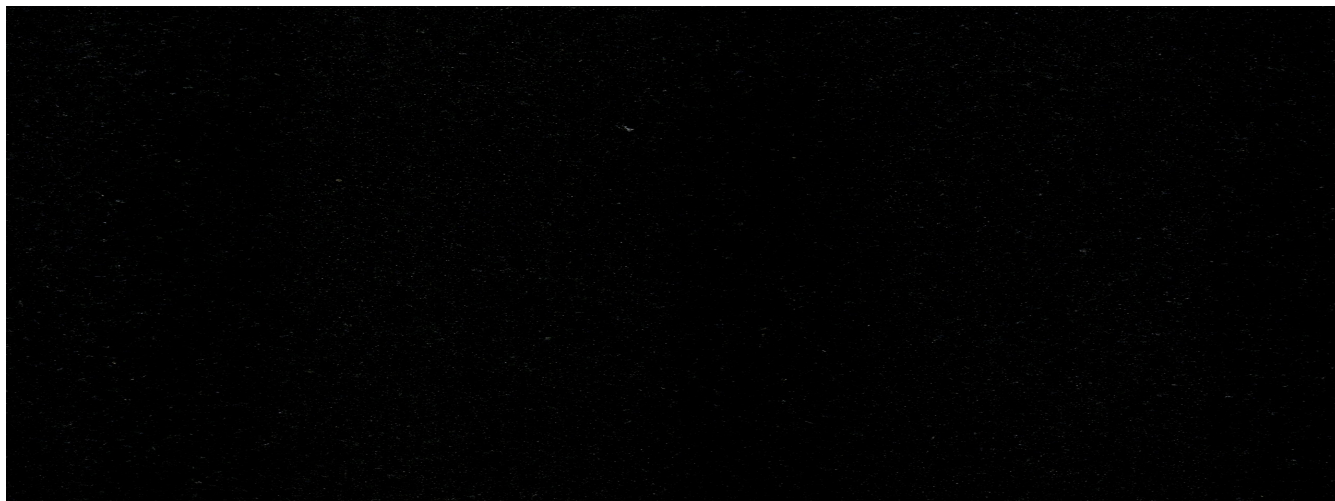
Parameter	Unit	Method**	0147/01/25	Standard ***
			Swimming Pool B	
pH	-	Electrometric Method	7.8	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	3.0	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.65	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	320	250 – 600
Cyanuric acid	mg/L	Turbidimetric	45.00	30 – 60
Chloride	mg/L	Titration Method	400	<600
Ammonia	mg/L	Phenate Method	7.50	<20
Nitrate	mg/L	Nitrate Electrode	0.6800	<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 ๗-๒๓๘

Customer : Amari Koh Samui

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

Sample Type : Swimming water

Analytical Date : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT2670168003

Received Date : 11/01/2025

Parameter	Unit	Method**	0148/01/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.4	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.50	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.62	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	80 – 100
Calcium hardness	mg/L	Titration Method	260	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.10	30 – 60
Chloride	mg/L	Titration Method	194	<600
Ammonia	mg/L	Phenate Method	7.20	<20
Nitrate	mg/L	Nitrate Electrode	0.6900	<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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT2670268002

Received Date : 12/02/2025

Parameter	Unit	Method**	0461/02/25	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)	0.74	0.5 – 1.0
Alkalinity	ppm	Titration Method	96	80 – 100
Calcium hardness	mg/L	Titration Method	290	250 – 600
Cyanuric acid	mg/L	Turbidimetric	48.50	30 – 60
Chloride	mg/L	Titration Method	400	<600
Ammonia	mg/L	Phenate Method	5.60	<20
Nitrate	mg/L	Nitrate Electrode	0.8400	<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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT2670268003

Received Date : 12/02/2025

Parameter	Unit	Method**	0462/02/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.50	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.81	0.5 – 1.0
Alkalinity	ppm	Titration Method	94	80 – 100
Calcium hardness	mg/L	Titration Method	350	250 – 600
Cyanuric acid	mg/L	Turbidimetric	38.10	30 – 60
Chloride	mg/L	Titration Method	371	<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



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 : 13/03/2025

Sampling Method : Grab

Report Date : 21/03/2025

Sampling Date : 12/03/2025

Report No. : WT2670368002

Received Date : 13/03/2025

Parameter	Unit	Method**	0727/03/25	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)	0.70	0.5 – 1.0
Alkalinity	ppm	Titration Method	97	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	409	<600
Ammonia	mg/L	Phenate Method	8.00	<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 ๗-๒๓๘

Customer : Amari Koh Samui

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

Sample Type : Swimming water

Analytical Date : 13/03/2025

Sampling Method : Grab

Report Date : 21/03/2025

Sampling Date : 12/03/2025

Report No. : WT2670368003

Received Date : 13/03/2025

Parameter	Unit	Method**	0728/03/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.5	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.78	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	44.00	30 – 60
Chloride	mg/L	Titration Method	146	<600
Ammonia	mg/L	Phenate Method	7.50	<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



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 : Swimming water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT38304678003

Received Date : 09/04/2025

Parameter	Unit	Method**	1095/04/25	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)	0.81	0.5 – 1.0
Alkalinity	ppm	Titration Method	98	80 – 100
Calcium hardness	mg/L	Titration Method	390	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.00	30 – 60
Chloride	mg/L	Titration Method	413	<600
Ammonia	mg/L	Phenate Method	8.00	<20
Nitrate	mg/L	Nitrate Electrode	0.8400	<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 ๗-๒๓๘

Customer : Amari Koh Samui

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

Sample Type : Swimming water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT38304678004

Received Date : 09/04/2025

Parameter	Unit	Method**	1095/04/25	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)	0.74	0.5 – 1.0
Alkalinity	ppm	Titration Method	94	80 – 100
Calcium hardness	mg/L	Titration Method	309	250 – 600
Cyanuric acid	mg/L	Turbidimetric	38.50	30 – 60
Chloride	mg/L	Titration Method	590	<600
Ammonia	mg/L	Phenate Method	11.30	<20
Nitrate	mg/L	Nitrate Electrode	0.4100	<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 : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT2670568002

Received Date : 17/05/2025

Parameter	Unit	Method**	1345/05/25	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	98	80 – 100
Calcium hardness	mg/L	Titration Method	300	250 – 600
Cyanuric acid	mg/L	Turbidimetric	36.00	30 – 60
Chloride	mg/L	Titration Method	300	<600
Ammonia	mg/L	Phenate Method	8.00	<20
Nitrate	mg/L	Nitrate Electrode	0.8400	<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 ๗-๒๓๘

Customer : Amari Koh Samui

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

Sample Type : Swimming water

Analytical Date : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT2670568003

Received Date : 17/05/2025

Parameter	Unit	Method**	1346/05/25	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)	0.69	0.5 – 1.0
Alkalinity	ppm	Titration Method	96	80 – 100
Calcium hardness	mg/L	Titration Method	290	250 – 600
Cyanuric acid	mg/L	Turbidimetric	41.20	30 – 60
Chloride	mg/L	Titration Method	355	<600
Ammonia	mg/L	Phenate Method	7.50	<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



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 : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT2670668002

Received Date : 12/06/2025

Parameter	Unit	Method**	1606/06/25	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)	0.75	0.5 – 1.0
Alkalinity	ppm	Titration Method	99	80 – 100
Calcium hardness	mg/L	Titration Method	305	250 – 600
Cyanuric acid	mg/L	Turbidimetric	39.60	30 – 60
Chloride	mg/L	Titration Method	342	<600
Ammonia	mg/L	Phenate Method	8.00	<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



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 : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT2670668003

Received Date : 12/06/2025

Parameter	Unit	Method**	1607/06/25	Standard
			Swimming Pool C	

pH	-	Electrometric Method	7.6	7.2 – 8.4
Free chlorine	ppm	Photometer (DPD)	1.50	0.6 – 1.0
Combined chlorine	ppm	Photometer (DPD)	0.90	0.5 – 1.0
Alkalinity	ppm	Titration Method	91	80 – 100
Calcium hardness	mg/L	Titration Method	271	250 – 600
Cyanuric acid	mg/L	Turbidimetric	40.80	30 – 60
Chloride	mg/L	Titration Method	271	<600
Ammonia	mg/L	Phenate Method	9.00	<20
Nitrate	mg/L	Nitrate Electrode	0.8400	<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)



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 : 11/01/2025

Sampling Method : Grab

Report Date : 17/01/2025

Sampling Date : 10/01/2025

Report No. : WT3830168001

Received Date : 11/01/2025

Parameter	Unit	Method**	0146/01/25	Standard ***
			Cold water wash basin guest room.5111	
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 : 12/02/2025

Sampling Method : Grab

Report Date : 19/02/2025

Sampling Date : 11/02/2025

Report No. : WT3830268001

Received Date : 12/02/2025

Parameter	Unit	Method**	0460/02/25	Standard ***
			Cold water wash basin guest room.5123	
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 : 13/03/2025

Sampling Method : Grab

Report Date : 21/03/2025

Sampling Date : 12/03/2025

Report No. : WT3830368001

Received Date : 13/03/2025

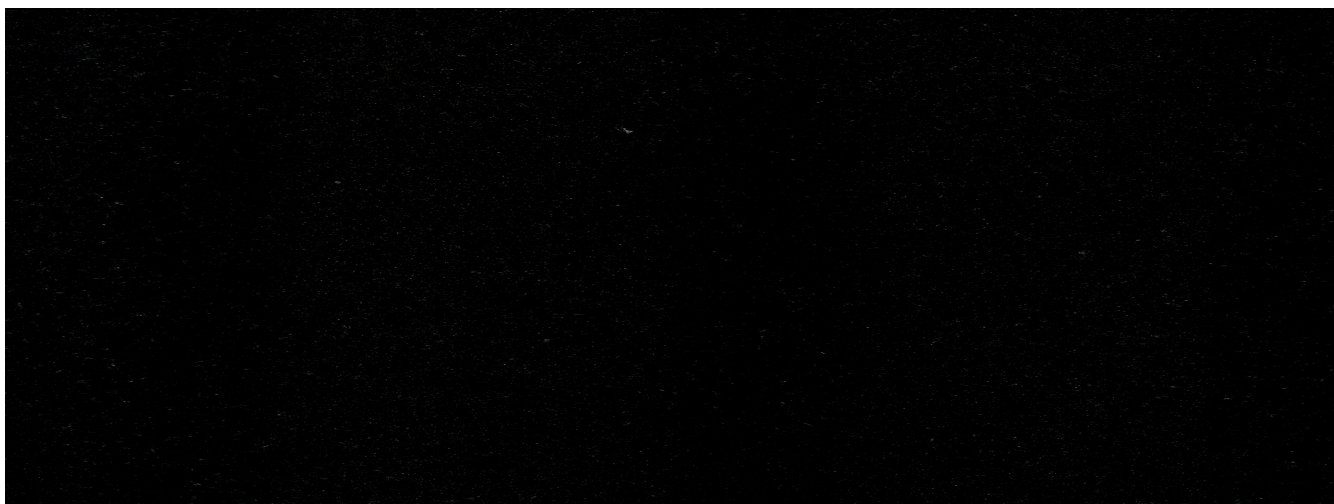
Parameter	Unit	Method**	0726/03/25	Standard ***
			Filter Tank	
Coliform, Total	MPN/100 mL	APHA: 9221 B	ND	Not detected
Coliform, Fecal	MPN/100 mL	APHA: 9221 E	ND	Not detected
Appearance		Observation	Clear	

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., Bop hut, Koh Samui, Surat Thani, 84320

Sample Type : Tap Water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468001

Received Date : 09/04/2025

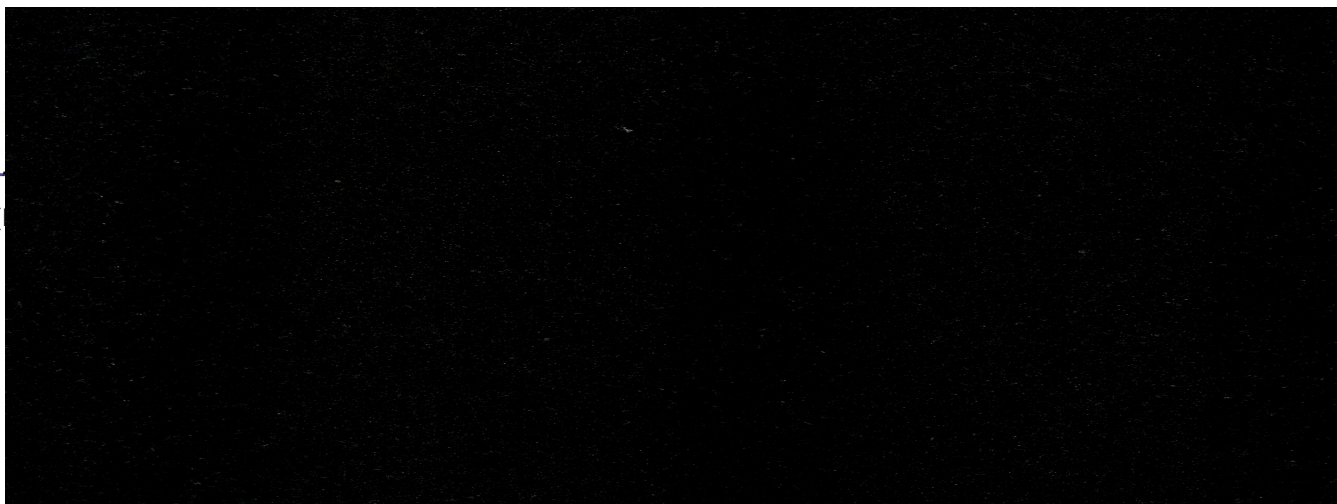
Parameter	Unit	Method**	1094/04/25	Standard ***
			Cold water Amaya	
*pH	-	Electrometric Method	7.2	6.5-8.5
*Total Dissolved Solids	mg/L	Dried at 180 °C	136	<1,000
Total Hardness	mg/L	Titration Method	20	<500
Chloride	mg/L	Titration Method	41	<250
Turbidity	Silica Scale Unit	Nephelometric Method	0.1	<15
Color	Hazen Unit	Visual Comparison Method	1	<15
Sulfate	mg/L as So_4^{2-}	Turbidimetric	74	<250
Fluoride	mg/L	SPADNS	0.1	<0.7
N-Nitrate	mg/L	Nitrate Electrode	0.74	<50
Manganese	mg/L	ICP	ND	<0.3
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., Bop hut, Koh Samui, Surat Thani, 84320

Sample Type : Tap Water

Analytical Date : 09/04/2025

Sampling Method : Grab

Report Date : 18/04/2025

Sampling Date : 08/04/2025

Report No. : WT3830468002

Received Date : 09/04/2025

Parameter	Unit	Method**	1094/04/25	Standard ***
			Cold water Amaya	
Copper	mg/L	ICP	ND	<1.0
Total Iron	mg/L	Photometer (Phenanthroline)	0.01	<0.5
Zinc	mg/L	ICP	0.038	<3.0
Mercury	mg/L	ICP– Hydried	<0.0005	<0.001
Lead	mg/L	IPC	<0.005	<0.01
Arsenic	mg/L	ICP– Hydried	<0.001	<0.01
Chromium	mg/L	ICP	0.002	<0.05
Cadmium	mg/L	ICP	<0.001	<0.003
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 : 17/05/2025

Sampling Method : Grab

Report Date : 23/05/2025

Sampling Date : 16/05/2025

Report No. : WT3830568001

Received Date : 17/05/2025

Parameter	Unit	Method**	1344/05/25	Standard ***
			Cold water wash basin guest room. Room. 3132	
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 : 12/06/2025

Sampling Method : Grab

Report Date : 19/06/2025

Sampling Date : 11/06/2025

Report No. : WT3830668001

Received Date : 12/06/2025

Parameter	Unit	Method**	1605/06/25	Standard ***
			Cold water wash basin guest room. Room.3108	
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