

ภาคผนวกที่ 2

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวกที่ 2.1

ผลการตรวจวิเคราะห์คุณภาพน้ำเสียก่อนเข้าระบบบำบัด (INFLUENT)



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 25/01/2025	SAMPLE NO.	: 6801-1056
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.41 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 25/01/2025-05/02/2025	(MS. JUTAPORN JUTAMAST จ-176-จ-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 25/01/2025
		REPORTED DATE	: 06/02/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.23
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	640
Total Suspended Solids	mg/l	Dried at 103-105 °C	195
Grease & Oil	mg/l	Partition-Gravimetric	90.0
Sulfide	mg/l as S ²⁻	Iodometric	4.87
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	72.94
Total Dissolved Solids	mg/l	Dried at 180 °C	440

- PHYSICAL APPEARANCE**
1. Sample : turbid, brown SS, smelling
 2. Container : normal [(PE 2.0 L, G 0.5 L)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 25/01/2025 SAMPLE NO. : 6801-1056
SAMPLING CONDITION : Water SAMPLING TIME : 08.41 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 25/01/2025-05/02/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 25/01/2025
REPORTED DATE : 06/02/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	0.3
Total Coliform Bacteria	MPN/100 ml	MPN Test	54,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, brown SS, smelling
2. Container : normal [(PE 2.0 L)

REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 18/02/2025	SAMPLE NO.	: 6802-785
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.24 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 18-26/02/2025	(MS. JUTAPORN JUTAMAST ๖-176-๖-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 18/02/2025
		REPORTED DATE	: 27/02/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	6.51
BOD ₅	mg/l	5-Days, BOD Test	132
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	172
Grease & Oil	mg/l	Partition-Gravimetric	10.0
Sulfide	mg/l as S ²⁻	Iodometric	4.67
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	77.00
Total Dissolved Solids	mg/l	Dried at 180 °C	448

- PHYSICAL APPEARANCE**
1. Sample : turbid, brown SS, smelling
 2. Container : normal [(PE 2.0 L, G 0.5 L)

Examined

REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 18/02/2025 SAMPLE NO. : 6802-785
SAMPLING CONDITION : Water SAMPLING TIME : 09.24 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 18-26/02/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 18/02/2025
REPORTED DATE : 27/02/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	0.9
Total Coliform Bacteria	MPN/100 ml	MPN Test	35,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, brown SS, smelling
2. Container : normal [(PE 2.0 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 18/03/2025	SAMPLE NO.	: 6803-849
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.06 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 18-27/03/2025	(MS. JUTAPORN JUTAMAST จ-176-จ-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 18/03/2025
		REPORTED DATE	: 28/03/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	6.28
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	710
Total Suspended Solids	mg/l	Dried at 103-105 °C	348
Grease & Oil	mg/l	Partition-Gravimetric	3.0
Sulfide	mg/l as S ²⁻	Iodometric	4.27
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	82.74
Total Dissolved Solids	mg/l	Dried at 180 °C	542

PHYSICAL APPEARANCE

1. Sample : turbid, brown SS, smelling
2. Container : normal [(PE 2.0 L, G 0.5 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 18/03/2025	SAMPLE NO.	: 6803-849
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.06 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 18-27/03/2025		(MS. JUTAPORN JUTAMAST)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 18/03/2025
		REPORTED DATE	: 28/03/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	1.8
Total Coliform Bacteria	MPN/100 ml	MPN Test	35,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, brown SS, smelling
2. Container : normal [(PE 2.0 L)

REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 23/04/2025	SAMPLE NO.	: 6804-975
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.26 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 23/04/2025-03/05/2025	(MS. JUTAPORN JUTAMAST จ-176-จ-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 23/04/2025
		REPORTED DATE	: 06/05/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	6.72
BOD ₅	mg/l	5-Days, BOD Test	430
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	166
Grease & Oil	mg/l	Partition-Gravimetric	39.0
Sulfide	mg/l as S ²⁻	Iodometric	9.20
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	59.59
Total Dissolved Solids	mg/l	Dried at 180 °C	516

- PHYSICAL APPEARANCE**
1. Sample : turbid, black SS, smelling
 2. Container : normal [(PE 2.0 L, G 0.5 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 23/04/2025 SAMPLE NO. : 6804-975
SAMPLING CONDITION : Water SAMPLING TIME : 09.26 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 23/04/2025-03/05/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 23/04/2025
REPORTED DATE : 06/05/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	0.6
Total Coliform Bacteria	MPN/100 ml	MPN Test	54,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling
2. Container : normal [(PE 2.0 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 20/05/2025	SAMPLE NO.	: 6805-809
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.06 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 20-28/05/2025		(MS. JUTAPORN JUTAMAST ๖-176-๖-0006)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 20/05/2025
		REPORTED DATE	: 29/05/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.06
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	232
Total Suspended Solids	mg/l	Dried at 103-105 °C	145
Grease & Oil	mg/l	Partition-Gravimetric	13.0
Sulfide	mg/l as S ²⁻	Iodometric	4.07
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	66.99
Total Dissolved Solids	mg/l	Dried at 180 °C	378

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling
2. Container : normal [(PE 2.0 L, G 0.5 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 20/05/2025	SAMPLE NO.	: 6805-809
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.06 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 20-28/05/2025		(MS. JUTAPORN JUTAMAST)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 20/05/2025
		REPORTED DATE	: 29/05/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	1.0
Total Coliform Bacteria	MPN/100 ml	MPN Test	16,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling
2. Container : normal [(PE 2.0 L)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 19/06/2025	SAMPLE NO.	: 6806-882
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.17 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 19-30/06/2025		(MS. JUTAPORN JUTAMAST ๖-176-๖-0006)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 19/06/2025
		REPORTED DATE	: 01/07/2025

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.17
BOD ₅	mg/l	5-Days, BOD Test	204
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	92.0
Grease & Oil	mg/l	Partition-Gravimetric	4.0
Sulfide	mg/l as S ²⁻	Iodometric	4.20
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	74.27
Total Dissolved Solids	mg/l	Dried at 180 °C	328

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling
2. Container : normal [(PE 2.0 L, G 0.5 L)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 19/06/2025	SAMPLE NO.	: 6806-882
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.17 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 19-30/06/2025		(MS. JUTAPORN JUTAMAST)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 19/06/2025
		REPORTED DATE	: 01/07/2025

PARAMETER	UNIT	METHOD	INFLUENT
Settleable Solids	ml/l	Volumetric	0.1
Total Coliform Bacteria	MPN/100 ml	MPN Test	16,000,000

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling
2. Container : normal [(PE 2.0 L)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY

ภาคผนวกที่ 2.2

ผลการตรวจวิเคราะห์คุณภาพ น้ำทิ้งหลังผ่านการบำบัด (EFFLUENT)



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 25/01/2025	SAMPLE NO.	: 6801-1057
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.38 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 25/01/2025-05/02/2025	(MS. JUTAPORN JUTAMAST ๖-176-๖-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 25/01/2025
		REPORTED DATE	: 06/02/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.64	5.5 - 9.0
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	27.0	≤ 20
Total Suspended Solids	mg/l	Dried at 103-105 °C	35.0	≤ 30
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	53.76	≤ 35
Total Dissolved Solids	mg/l	Dried at 180 °C	316	≤ 1,000
Grease & Oil	mg/l	Partition-Gravimetric	3.0	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	1.07	≤ 1

PHYSICAL APPEARANCE 1. Sample : turbid, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 25/01/2025 SAMPLE NO. : 6801-1057
SAMPLING CONDITION : Water SAMPLING TIME : 08.38 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 25/01/2025-05/02/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 25/01/2025
REPORTED DATE : 06/02/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Settleable Solids	ml/l	Volumetric	0.3	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	8,400	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	6,300	-

PHYSICAL APPEARANCE 1. Sample : turbid, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 18/02/2025	SAMPLE NO.	: 6802-786
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.20 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 18-26/02/2025	(MS. JUTAPORN JUTAMAST ๖-176-๖-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 18/02/2025
		REPORTED DATE	: 27/02/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.64	5.5 - 9.0
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	24.0	≤ 20
Total Suspended Solids	mg/l	Dried at 103-105 °C	17.0	≤ 30
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	27.51	≤ 35
Total Dissolved Solids	mg/l	Dried at 180 °C	226	≤ 1,000

PHYSICAL APPEARANCE

1. Sample : turbid, brown SS
2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD

: ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 18/02/2025 SAMPLE NO. : 6802-786
SAMPLING CONDITION : Water SAMPLING TIME : 09.20 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 18-26/02/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 18/02/2025
REPORTED DATE : 27/02/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	0.33	≤ 1
Settleable Solids	ml/l	Volumetric	0.1	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	92,000	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	54,000	-

PHYSICAL APPEARANCE 1. Sample : turbid, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 18/03/2025 SAMPLE NO. : 6803-850
SAMPLING CONDITION : Water SAMPLING TIME : 09.04 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 18-27/03/2025 (MS. JUTAPORN JUTAMAST จ-176-จ-0006)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 18/03/2025
REPORTED DATE : 28/03/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.44	5.5 - 9.0
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	24.0	≤ 20
Total Suspended Solids	mg/l	Dried at 103-105 °C	27.0	≤ 30
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	18.83	≤ 35
Total Dissolved Solids	mg/l	Dried at 180 °C	380	≤ 1,000

PHYSICAL APPEARANCE 1. Sample : turbid, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

Examin

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 18/03/2025	SAMPLE NO.	: 6803-850
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.04 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 18-27/03/2025	(MS. JUTAPORN JUTAMAST)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 18/03/2025
		REPORTED DATE	: 28/03/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	ND	≤ 1
Settleable Solids	ml/l	Volumetric	0.7	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	54,000	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	9,400	-

PHYSICAL APPEARANCE 1. Sample : turbid, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 23/04/2025	SAMPLE NO.	: 6804-976
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.27 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 23/04/2025-03/05/2025	(MS. JUTAPORN JUTAMAST จ-176-จ-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 23/04/2025
		REPORTED DATE	: 06/05/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	6.90	5.5 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	3.0	≤ 20
		Azide Modification		
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	19.74	≤ 35
Total Dissolved Solids	mg/l	Dried at 180 °C	396	≤ 1,000

PHYSICAL APPEARANCE 1. Sample : yellowish, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 23/04/2025	SAMPLE NO.	: 6804-976
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.27 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 23/04/2025-03/05/2025		(MS. JUTAPORN JUTAMAST)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 23/04/2025
		REPORTED DATE	: 06/05/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Total Suspended Solids	mg/l	Dried at 103-105 °C	2.7	≤ 30
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	ND	≤ 1
Settleable Solids	ml/l	Volumetric	ND	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	920	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	540	-

PHYSICAL APPEARANCE 1. Sample : yellowish, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 20/05/2025	SAMPLE NO.	: 6805-810
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.07 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 20-28/05/2025	(MS. JUTAPORN JUTAMAST ๖-176-๑-0006)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 20/05/2025
		REPORTED DATE	: 29/05/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.15	5.5 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	3.0	≤ 20
		Azide Modification		
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	8.54	≤ 35
Total Dissolved Solids	mg/l	Dried at 180 °C	468	≤ 1,000

PHYSICAL APPEARANCE 1. Sample : yellowish, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 20/05/2025 SAMPLE NO. : 6805-810
SAMPLING CONDITION : Water SAMPLING TIME : 09.07 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 20-28/05/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 20/05/2025
REPORTED DATE : 29/05/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Total Suspended Solids	mg/l	Dried at 103-105 °C	4.3	≤ 30
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	ND	≤ 1
Settleable Solids	ml/l	Volumetric	ND	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	3,500	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	1,100	-

PHYSICAL APPEARANCE

1. Sample : yellowish, brown SS
2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD

: ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK

- 1) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY



TEST REPORT

CUSTOMER : The Sands Khao Lak By Katathani ADDRESS : 10/18 M.7, Kukkak,
SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 19/06/2025 SAMPLE NO. : 6806-883
SAMPLING CONDITION : Water SAMPLING TIME : 09.33 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 19-30/06/2025 (MS. JUTAPORN JUTAMAST)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 19/06/2025
REPORTED DATE : 01/07/2025

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	0.13	≤ 1
Settleable Solids	ml/l	Volumetric	ND	-
Total Coliform Bacteria	MPN/100 ml	MPN Test	83.0	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	33.0	-

PHYSICAL APPEARANCE 1. Sample : yellowish, brown SS

2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2567

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY

ภาคผนวกที่ 2.3

ผลการตรวจวิเคราะห์คุณภาพน้ำใช้ในโรงแรม (บ่อน้ำต้น)



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 23/04/2025	SAMPLE NO.	: 6804-978
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.45 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 23/04/2025-06/05/2025	(MS. JUTAPORN JUTAMAST)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 23/04/2025
		REPORTED DATE	: 07/05/2025

PARAMETER	UNIT	METHOD	ปอน้ำดื่ม	STANDARD
pH at 25 °C	-	Electrometric	7.36	6.5 - 8.5
Total Dissolved Solids	mg/l	Dried at 180 degree celcius	108	≤ 500
Color	Pt.Co	Spectrophotometric	5.12	≤ 5
Turbidity	NTU	Nephelometric Method	1.84	≤ 5
Chloride	mg/l as Cl ⁻	Argentometric Method	11.74	≤ 250
Iron	mg/l as Fe	Phenanthroline Method	ND	≤ 0.3
Manganese	mg/l as Mn	Persulfate Method	ND	≤ 0.05
Hardness	mg/l as CaCO ₃	EDTA Titrimetric	76.0	≤ 100
Nitrate	mg/l as NO ₃	Cadmium Reduction Method	1.64	≤ 4
Sulfate ^{1/}	mg/l as SO ₄ ²⁻	Turbidimetric Method	10.40	≤ 200

PHYSICAL APPEARANCE 1. Sample : clear, lightly brown SS 2. Container : normal [PE 2.0 L]

STANDARD : ประกาศกระทรวงอุตสาหกรรม ฉบับที่ 3470 (พ.ศ. 2549) ออกตามความในพระราชบัญญัติมาตรฐานผลิตภัณฑ์อุตสาหกรรมพ.ศ. 2511 เรื่อง ยกเลิกมาตรฐานผลิตภัณฑ์อุตสาหกรรม น้ำบริโภคน้ำดื่ม 1 ข้อกำหนดเกณฑ์คุณภาพและกำหนดมาตรฐานผลิตภัณฑ์อุตสาหกรรม น้ำบริโภค

REMARK 1) ^{1/} ทดสอบโดย ห้องปฏิบัติการวิเคราะห์เอกชน บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด : เลขทะเบียน ว-003
2) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)



TEST REPORT

CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 23/04/2025	SAMPLE NO.	: 6804-978
SAMPLING CONDITION	: Water	SAMPLING TIME	: 09.45 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 23/04/2025-06/05/2025	(MS. JUTAPORN JUTAMAST)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 23/04/2025
		REPORTED DATE	: 07/05/2025

PARAMETER	UNIT	METHOD	บ่อน้ำต้น	STANDARD
Total Coliform Bacteria	MPN/100 ml	MPN Test	1,600	≤ 1.1
E.Coli	MPN/100 ml	MPN Test	ND	ND

PHYSICAL APPEARANCE	1. Sample : clear, lightly brown SS	2. Container : normal [G 0.5 L]
STANDARD	: ประกาศกระทรวงอุตสาหกรรม ฉบับที่ 3470 (พ.ศ. 2549) ออกตามความในพระราชบัญญัติมาตรฐานผลิตภัณฑ์อุตสาหกรรมพ.ศ. 2511 เรื่อง ยกเลิกมาตรฐานผลิตภัณฑ์อุตสาหกรรม น้ำบริโภค เล่ม 1 ข้อกำหนดเกณฑ์คุณภาพ และกำหนดมาตรฐานผลิตภัณฑ์อุตสาหกรรม น้ำบริโภค	
REMARK	1) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)	

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL LABORATORY