



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	: 24/07/2023	SAMPLE NO.	: 6607-945
SAMPLING CONDITION	: Water	SAMPLING TIME	: 10.30 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 24/07/2023-07/08/2023	(MS. KANNIKA PRATHUMPHETR ๖-176-๖-9187)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 24/07/2023
		REPORTED DATE	: 07/08/2023

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	6.78
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	136
Total Suspended Solids	mg/l	Dried at 103-105 °C	78.0
Grease & Oil	mg/l	Partition-Gravimetric	5.0
Sulfide	mg/l as S ²⁻	Iodometric	3.68
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	49.28

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

Examine

REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

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SAMPLING DATE	: 24/07/2023	SAMPLE NO.	: 6607-945
SAMPLING CONDITION	: Water	SAMPLING TIME	: 10.30 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 24/07/2023-07/08/2023	(MS. KANNIKA PRATHUMPHETR)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 24/07/2023
		REPORTED DATE	: 07/08/2023

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	282
Settleable Solids	ml/l	Volumetric	0.4
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)

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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	: 22/08/2023	SAMPLE NO.	: 6608-770
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.31 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22-31/08/2023	(MS. KANNIKA PRATHUMPHETR จ-176-จ-9187)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/08/2023
		REPORTED DATE	: 31/08/2023

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	6.88
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	112
Total Suspended Solids	mg/l	Dried at 103-105 °C	92.0
Grease & Oil	mg/l	Partition-Gravimetric	5.0
Sulfide	mg/l as S ²⁻	Iodometric	4.46
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	79.00

PHYSICAL APPEARANCE

1. Sample : turbid, black SS, smelling

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

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SAMPLING DATE	: 22/08/2023	SAMPLE NO.	: 6608-770
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.31 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22-31/08/2023		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/08/2023
		REPORTED DATE	: 31/08/2023

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	344
Settleable Solids	ml/l	Volumetric	0.3
Total Coliform Bacteria	MPN/100 ml	MPN Test	24,000,000

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

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SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 26/09/2023	SAMPLE NO.	: 6609-922
SAMPLING CONDITION	: Water	SAMPLING TIME	: 11.46 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 26/09/2023-05/10/2023		(MS. KANNIKA PRATHUMPHETR ๖-176-๖-9187)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 26/09/2023
		REPORTED DATE	: 05/10/2023

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.14
BOD ₅	mg/l	5-Days, BOD Test	122
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	68.0
Grease & Oil	mg/l	Partition-Gravimetric	2.0
Sulfide	mg/l as S ²⁻	Iodometric	2.48
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	53.00

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

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SAMPLING DATE	: 26/09/2023	SAMPLE NO.	: 6609-922
SAMPLING CONDITION	: Water	SAMPLING TIME	: 11.46 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 26/09/2023-05/10/2023		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 26/09/2023
		REPORTED DATE	: 05/10/2023

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	270
Settleable Solids	ml/l	Volumetric	0.2
Total Coliform Bacteria	MPN/100 ml	MPN Test	17,000,000

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

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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	: 25/10/2023	SAMPLE NO.	: 6610-897
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.54 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 25/10/2023-01/11/2023		(MS. KANNIKA PRATHUMPHETR ๖-176-๖-9187)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 25/10/2023
		REPORTED DATE	: 02/11/2023

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.04
BOD ₅	mg/l	5-Days, BOD Test	204
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	132
Grease & Oil	mg/l	Partition-Gravimetric	21.0
Sulfide	mg/l as S ²⁻	Iodometric	4.46
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	85.00

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

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SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 25/10/2023	SAMPLE NO.	: 6610-897
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.54 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 25/10/2023-01/11/2023		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 25/10/2023
		REPORTED DATE	: 02/11/2023

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	394
Settleable Solids	ml/l	Volumetric	0.6
Total Coliform Bacteria	MPN/100 ml	MPN Test	35,000,000

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



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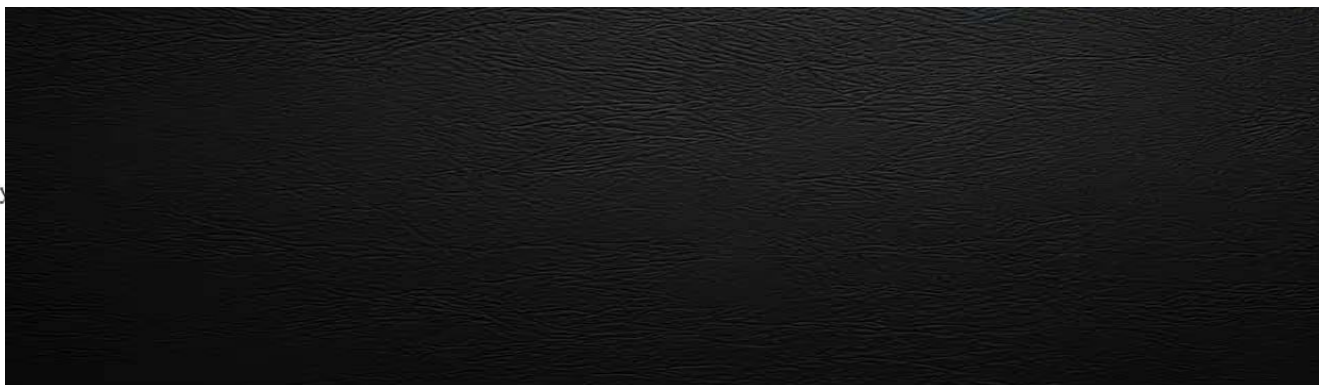
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CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 17/11/2023	SAMPLE NO.	: 6611-728
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.22 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 17-30/11/2023		(MS. KANNIKA PRATHUMPHETR ๖-176-๖-9187)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 17/11/2023
		REPORTED DATE	: 01/12/2023

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.35
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	204
Total Suspended Solids	mg/l	Dried at 103-105 °C	106
Grease & Oil	mg/l	Partition-Gravimetric	28.0
Sulfide	mg/l as S ²⁻	Iodometric	3.60
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	90.00

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

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SAMPLING DATE	: 17/11/2023	SAMPLE NO.	: 6611-728
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.22 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 17-30/11/2023		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 17/11/2023
		REPORTED DATE	: 01/12/2023

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	512
Settleable Solids	ml/l	Volumetric	0.2
Total Coliform Bacteria	MPN/100 ml	MPN Test	5,400,000

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

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SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 22/12/2023	SAMPLE NO.	: 6612-1010
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.55 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22/12/2023-08/01/2024		(MS. KANNIKA PRATHUMPHETR จ-176-จ-0007)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/12/2023
		REPORTED DATE	: 09/01/2024

PARAMETER	UNIT	METHOD	INFLUENT
pH at 25 °C	-	Electrometric	7.15
BOD ₅	mg/l	5-Days, BOD Test	156
		Azide Modification	
Total Suspended Solids	mg/l	Dried at 103-105 °C	121
Grease & Oil	mg/l	Partition-Gravimetric	28.0
Sulfide	mg/l as S ²⁻	Iodometric	4.93
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	92.00

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

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SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 22/12/2023	SAMPLE NO.	: 6612-1010
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.55 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22/12/2023-08/01/2024		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/12/2023
		REPORTED DATE	: 09/01/2024

PARAMETER	UNIT	METHOD	INFLUENT
Total Dissolved Solids	mg/l	Dried at 103-105 °C	460
Settleable Solids	ml/l	Volumetric	0.2
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)

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SAMPLING SOURCE : The Sands Khaolak By Katathani Resorts Takuapa, Phang Nga 82190
SAMPLING DATE : 24/07/2023 SAMPLE NO. : 6607-946
SAMPLING CONDITION : Water SAMPLING TIME : 10.28 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 24/07/2023-07/08/2023 (MS. KANNIKA PRATHUMPHETR จ-176-จ-9187)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 24/07/2023
REPORTED DATE : 07/08/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	6.29	5.0 - 9.0
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	9.80	≤ 35
Sulfide	mg/l as S ²⁻	Iodometric	ND	≤ 1

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) ND (ตรวจวัดไม่พบ) คือ มีค่าขีดจำกัดของวิธีการทดสอบ (Method Detection Limit) [MDL of G&O = 1.40 mg/l]
[MDL of S²⁻ = 0.14 mg/l]

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SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
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FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 24/07/2023
		REPORTED DATE	: 07/08/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	0.8	≤ 20
Total Suspended Solids	mg/l	Dried at 103-105 °C	1.6	≤ 30
Total Dissolved Solids	mg/l	Dried at 103-105 °C	280	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	240	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	ND	-

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

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SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
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FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/08/2023
		REPORTED DATE	: 31/08/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	6.79	5.0 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	11.0	≤ 20
		Azide Modification		
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	20.00	≤ 35

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) ND (ตรวจวัดไม่พบ) คือ มีค่าขีดจำกัดของวิธีการทดสอบ (Method Detection Limit) [MDL of G&O = 1.40 mg/l]

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		REPORTED DATE	: 31/08/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Total Suspended Solids	mg/l	Dried at 103-105 °C	2.0	≤ 30
Sulfide	mg/l as S ²⁻	Iodometric	0.35	≤ 1
Total Dissolved Solids	mg/l	Dried at 103-105 °C	312	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	540	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	220	-

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

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SAMPLING DATE	: 26/09/2023	SAMPLE NO.	: 6609-923
SAMPLING CONDITION	: Water	SAMPLING TIME	: 11.42 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 26/09/2023-05/10/2023	(MS. KANNIKA PRATHUMPHETR ๓-176-๑-9187)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 26/09/2023
		REPORTED DATE	: 05/10/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	6.38	5.0 - 9.0
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) ND (ตรวจวัดไม่พบ) คือ มีค่าขีดจำกัดของวิธีการทดสอบ (Method Detection Limit) [MDL of G&O = 1.40 mg/l]

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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	: 26/09/2023	SAMPLE NO.	: 6609-923
SAMPLING CONDITION	: Water	SAMPLING TIME	: 11.42 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 26/09/2023-05/10/2023	(MS. KANNIKA PRATHUMPHETR)	
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 26/09/2023
		REPORTED DATE	: 05/10/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
BOD ₅	mg/l	5-Days, BOD Test Azide Modification	0.6	≤ 20
Total Suspended Solids	mg/l	Dried at 103-105 °C	1.2	≤ 30
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	4.00	≤ 35
Sulfide	mg/l as S ²⁻	Iodometric	0.21	≤ 1
Total Dissolved Solids	mg/l	Dried at 103-105 °C	338	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	700	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	-

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

3) Fecal Coliform bacteria < 1.8 mpn Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

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 : 25/10/2023 SAMPLE NO. : 6610-898
SAMPLING CONDITION : Water SAMPLING TIME : 08.42 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 25/10/2023-01/11/2023 (MS. KANNIKA PRATHUMPHETR จ-176-จ-9187)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 25/10/2023
REPORTED DATE : 02/11/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	6.86	5.0 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	5.2	≤ 30
		Azide Modification		
Grease & Oil	mg/l	Partition-Gravimetric	ND	≤ 20

PHYSICAL APPEARANCE 1. Sample : clear 2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ข.)

REMARK 1) ND (ตรวจวัดไม่พบ) คือ มีค่าขีดจำกัดของวิธีการทดสอบ (Method Detection Limit) [MDL of G&O = 1.40 mg/l]

Examined by

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 : 25/10/2023 SAMPLE NO. : 6610-898
SAMPLING CONDITION : Water SAMPLING TIME : 08.42 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 25/10/2023-01/11/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 25/10/2023
REPORTED DATE : 02/11/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Total Suspended Solids	mg/l	Dried at 103-105 °C	2.1	≤ 40
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	3.00	≤ 35
Sulfide	mg/l as S ²⁻	Iodometric	ND	≤ 1
Total Dissolved Solids	mg/l	Dried at 103-105 °C	486	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	2,400	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	170	-

PHYSICAL APPEARANCE 1. Sample : clear 2. Container : normal [(PE 2.0 L, G 0.5 L)

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548

เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ข.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) ND (ตรวจวัดไม่พบ) คือ มีค่าขีดจำกัดของวิธีการทดสอบ (Method Detection Limit) [MDL of S²⁻ = 0.14 mg/l]
3) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

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TEST REPORT

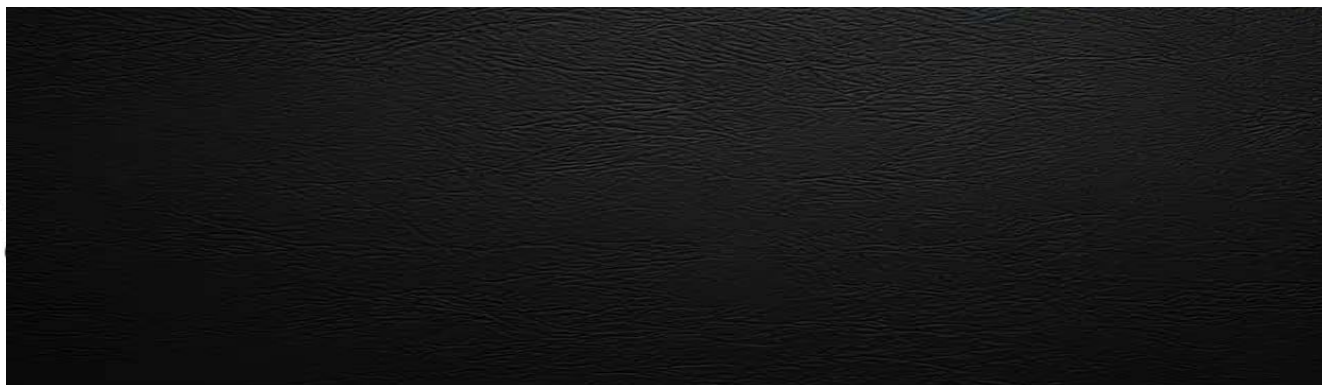
CUSTOMER	: The Sands Khao Lak By Katathani	ADDRESS	: 10/18 M.7, Kukkak,
SAMPLING SOURCE	: The Sands Khaolak By Katathani Resorts		Takuapa, Phang Nga 82190
SAMPLING DATE	: 17/11/2023	SAMPLE NO.	: 6611-729
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.20 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 17-30/11/2023		(MS. KANNIKA PRATHUMPHETR ๖-176-๖-9187)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 17/11/2023
		REPORTED DATE	: 01/12/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.25	5.0 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	7.0	≤ 20
		Azide Modification		
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	5.00	≤ 35

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

Examined by



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	: 17/11/2023	SAMPLE NO.	: 6611-729
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.20 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 17-30/11/2023		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 17/11/2023
		REPORTED DATE	: 01/12/2023

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Total Suspended Solids	mg/l	Dried at 103-105 °C	2.9	≤ 30
Grease & Oil	mg/l	Partition-Gravimetric	2.0	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	0.40	≤ 1
Total Dissolved Solids	mg/l	Dried at 103-105 °C	334	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	22,000	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	3,500	-

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) ND = Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMITTED SAMPLES ONLY

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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	: 22/12/2023	SAMPLE NO.	: 6612-1011
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.50 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22/12/2023-08/01/2024		(MS. KANNIKA PRATHUMPHETR จ-176-จ-0007)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/12/2023
		REPORTED DATE	: 09/01/2024

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
pH at 25 °C	-	Electrometric	7.45	5.0 - 9.0
BOD ₅	mg/l	5-Days, BOD Test	4.0	≤ 20
		Azide Modification		
Total Suspended Solids	mg/l	Dried at 103-105 °C	13.0	≤ 30
Total Kjeldahl Nitrogen	mg/l	Macro-Kjeldahl	10.00	≤ 35

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

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REPORTED ANALYSIS REFER TO SUBMITTED SAMPLES ONLY

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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	: 22/12/2023	SAMPLE NO.	: 6612-1011
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.50 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22/12/2023-08/01/2024		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/12/2023
		REPORTED DATE	: 09/01/2024

PARAMETER	UNIT	METHOD	EFFLUENT	STANDARD
Grease & Oil	mg/l	Partition-Gravimetric	0.7	≤ 20
Sulfide	mg/l as S ²⁻	Iodometric	0.13	≤ 1
Total Dissolved Solids	mg/l	Dried at 103-105 °C	312	≤ 500 [#]
Settleable Solids	ml/l	Volumetric	ND	≤ 0.5
Total Coliform Bacteria	MPN/100 ml	MPN Test	1,700	-
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	94.0	-

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

STANDARD : ประกาศกระทรวงทรัพยากรธรรมชาติและสิ่งแวดล้อม พ.ศ. 2548
เรื่อง กำหนดมาตรฐานควบคุมการระบายน้ำทิ้งจากอาคารบางประเภทและบางขนาด (ประเภท ก.)

REMARK 1) [#] ต้องมีค่าที่เพิ่มขึ้นจากปริมาณสารละลายในน้ำใช้ตามปกติไม่เกิน 500 มก./ล.
2) 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 : 24/07/2023 SAMPLE NO. : 6607-948
SAMPLING CONDITION : Water SAMPLING TIME : 10.38 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 24/07/2023-07/08/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 24/07/2023
REPORTED DATE : 07/08/2023

PARAMETER	UNIT	METHOD	Swimming Pool Pool Access "C 2"	STANDARD
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

STANDARD

คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK

1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean 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 : 22/08/2023 SAMPLE NO. : 6608-773
SAMPLING CONDITION : Water SAMPLING TIME : 08.37 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 22-31/08/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 22/08/2023
REPORTED DATE : 31/08/2023

PARAMETER	UNIT	METHOD	Swimming Pool	STANDARD
			Pool Access "Guest Room 5170"	
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

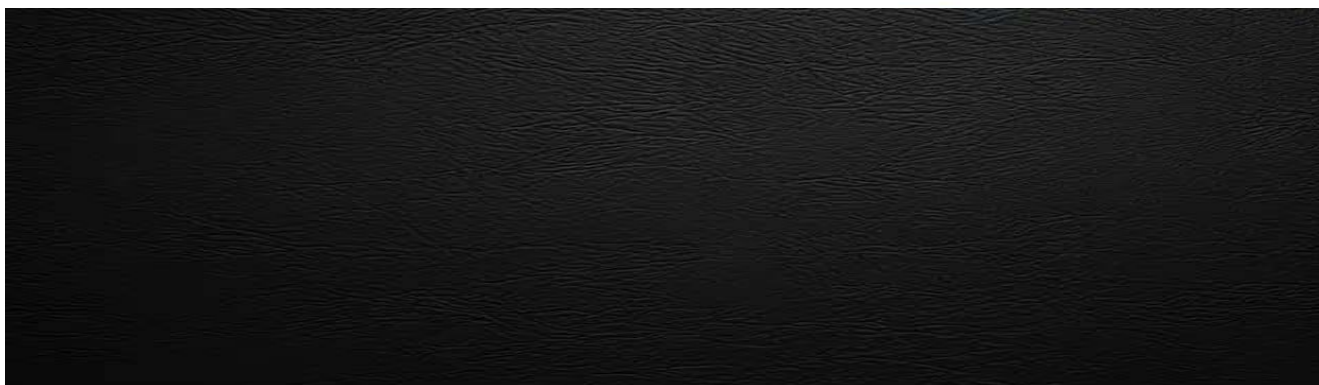
STANDARD

คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK

1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)



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 : 26/09/2023 SAMPLE NO. : 6609-925
SAMPLING CONDITION : Water SAMPLING TIME : 11.50 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 26/09/2023-05/10/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 26/09/2023
REPORTED DATE : 05/10/2023

PARAMETER	UNIT	METHOD	Swimming Pool	STANDARD
			Pool Access "B Sand"	
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

STANDARD

คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK

1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

บริษัท เซ้าเทิร์นไทยคอนซัลติ้ง จำกัด

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 : 25/10/2023 SAMPLE NO. : 6610-900
SAMPLING CONDITION : Water SAMPLING TIME : 09.02 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 25/10/2023-01/11/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 25/10/2023
REPORTED DATE : 02/11/2023

PARAMETER	UNIT	METHOD	Swimming Pool	STANDARD
			Pool Access "B Sand"	
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

STANDARD คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK 1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean 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 : 17/11/2023 SAMPLE NO. : 6611-731
SAMPLING CONDITION : Water SAMPLING TIME : 08.28 AM
SAMPLING METHOD : GRAB SAMPLING BY : STC
TESTED DATE : 17-30/11/2023 (MS. KANNIKA PRATHUMPHETR)
FILE NAME : The Sands Khaolak By Katathani Resorts RECEIVED DATE : 17/11/2023
REPORTED DATE : 01/12/2023

PARAMETER	UNIT	METHOD	Swimming Pool	STANDARD
			Pool Access "B Sand"	
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

STANDARD คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK 1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบโดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean 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	: 22/12/2023	SAMPLE NO.	: 6612-1013
SAMPLING CONDITION	: Water	SAMPLING TIME	: 08.59 AM
SAMPLING METHOD	: GRAB	SAMPLING BY	: STC
TESTED DATE	: 22/12/2023-08/01/2024		(MS. KANNIKA PRATHUMPHETR)
FILE NAME	: The Sands Khaolak By Katathani Resorts	RECEIVED DATE	: 22/12/2023
		REPORTED DATE	: 09/01/2024

PARAMETER	UNIT	METHOD	Swimming Pool	STANDARD
			Pool Access "B Sand"	
Total Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	≤ 10
Fecal Coliform Bacteria	MPN/100 ml	MPN Test	< 1.8	ND

PHYSICAL APPEARANCE 1. Sample : clear

2. Container : normal [G 0.25 L]

STANDARD

คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่องการควบคุมการประกอบกิจการสระว่ายน้ำ

REMARK

1) Total Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบ โดยวิธีทางห้องปฏิบัติการ)

2) Fecal Coliform bacteria < 1.8 mean Not Detected (ตรวจวัดไม่พบ โดยวิธีทางห้องปฏิบัติการ)

REPORTED ANALYSIS REFER TO SUMMITTED SAMPLES ONLY

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