

ภาคผนวก

ภาคผนวก ก ภาพประกอบรายงานการปฏิบัติตามมาตรการ

ภาคผนวก ข ใบขออนุญาตใช้น้ำบาดาล

ภาคผนวก ค ผลการตรวจวิเคราะห์คุณภาพน้ำ เดือนกรกฎาคม - ธันวาคม 2568

ภาคผนวก ง การตรวจคุณภาพน้ำและเชื้อลีจิโอเนลลา (Legionella) ในระบบ

Cooling tower

ภาคผนวก ก ภาพประกอบรายงานการปฏิบัติตามมาตรการฯ



ป้ายจำกัดความเร็วในพื้นที่โรงพยาบาล



ป้ายจำกัดความเร็วในพื้นที่โรงพยาบาล



ป้ายจราจรในพื้นที่โรงพยาบาล



ป้ายจราจรในพื้นที่โรงพยาบาล





สภาพถนนในพื้นที่โรงพยาบาล

ภาคผนวก ข ผลการตรวจวิเคราะห์คุณภาพน้ำ



การตรวจสอบคุณภาพน้ำประจำวัน



บ่อสูบน้ำก่อนกลับ



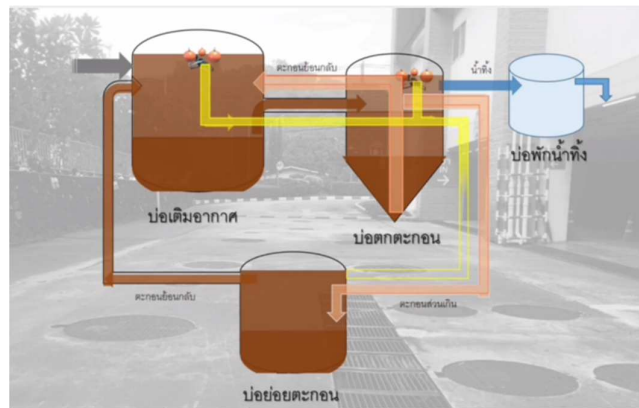
สูบน้ำก่อนส่วนเกินไปกำจัด
ทุกวันที่ 10,20,30 ของเดือน



บ่อดักไขมัน มีการดูแลประจำวัน โดยมีการสูบน้ำตะกอนส่วนเกินไปกำจัด ทุกวันที่ 10,20,30 ของเดือน



การพ่นยาป้องกันแมลงสาบอบำบัด

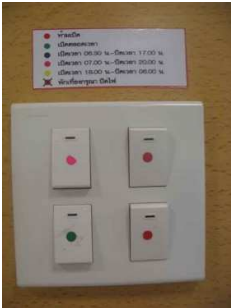


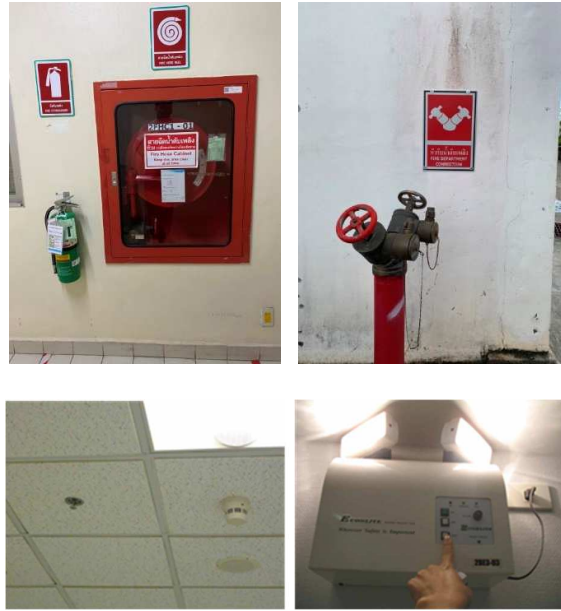
ระบบบำบัดน้ำเสีย แบบ Activated Sludge : AS ชนิดตะกอนเร่ง



ถังขยะทั่วไป, ถังขยะติดเชื้อ(ไม่มีคม), ถังขยะอันตราย, ถังขยะรีไซเคิล, ถังขยะร่อทำลาย, ถังขยะติดเชื้อ(มีคม)
ถังขยะชนิดแต่ละประเภทที่ใช้ในโรงพยาบาล



ห้องพักขยะแยกประเภท  การทำความสะอาดเป็นประจำทุกวัน	การรวบรวมและจัดเก็บขยะในโรงพยาบาล  PPE สำหรับเจ้าหน้าที่จัดเก็บมูลฝอย
 รวมพลัง... ปัดแอร์ ก่อนเลิกงาน 15 นาที นะครับ  “ทุกท่านช่วยกันสละกำลัง เพื่อประหยัดพลังงานนะครับ” BANGKOK HOSPITAL BANGKOK HOSPITAL CHULABHOMRAH HOSPITAL รวมพลัง... ปรับแอร์ ให้อยู่ในระดับ 25 องศา ทุกครั้ง เมื่อเปิดใช้งาน  “ทุกท่านช่วยกันสละกำลัง เพื่อประหยัดพลังงานนะครับ” BANGKOK HOSPITAL BANGKOK HOSPITAL CHULABHOMRAH HOSPITAL รวมพลัง... เติมน้ำในกระติกน้ำร้อน ในปริมาณเท่าที่จำเป็น และถอดปลั๊กออกทุกครั้ง เมื่อใช้งานเสร็จ  “ทุกท่านช่วยกันสละกำลัง เพื่อประหยัดพลังงานนะครับ” BANGKOK HOSPITAL BANGKOK HOSPITAL CHULABHOMRAH HOSPITAL Switch เปิด-ปิด ไฟแสงสว่างในโรงพยาบาล และการรณรงค์ประหยัดพลังงาน	
 การบำรุงรักษาเครื่องกำเนิดไฟฟ้าประจำสัปดาห์	



อุปกรณ์ระบบป้องกันและเตือนอัคคีภัย



ป้ายแนะนำวิธีการใช้อุปกรณ์ป้องกันอัคคีภัย



การอบรมความรู้ในการดับเพลิงเบื้องต้น
ให้กับเจ้าหน้าที่ของโรงพยาบาล โดยวิทยากรจากภายนอกที่ได้รับอนุญาต



การฝึกซ้อมแผนรับเหตุ และอพยพในเหตุการณ์เพลิงไหม้ประจำปี 2568



การบำรุงรักษาระบบระบายอากาศ



การล้างทำความสะอาดบ่อเก็บน้ำของโรงพยาบาล



การล้างทำความสะอาดถาดรับน้ำระบบระบายอากาศ



การเก็บตัวอย่างเพื่อตรวจวัดการปนเปื้อนของเชื้อ Legionella ในระบบระบายอากาศ



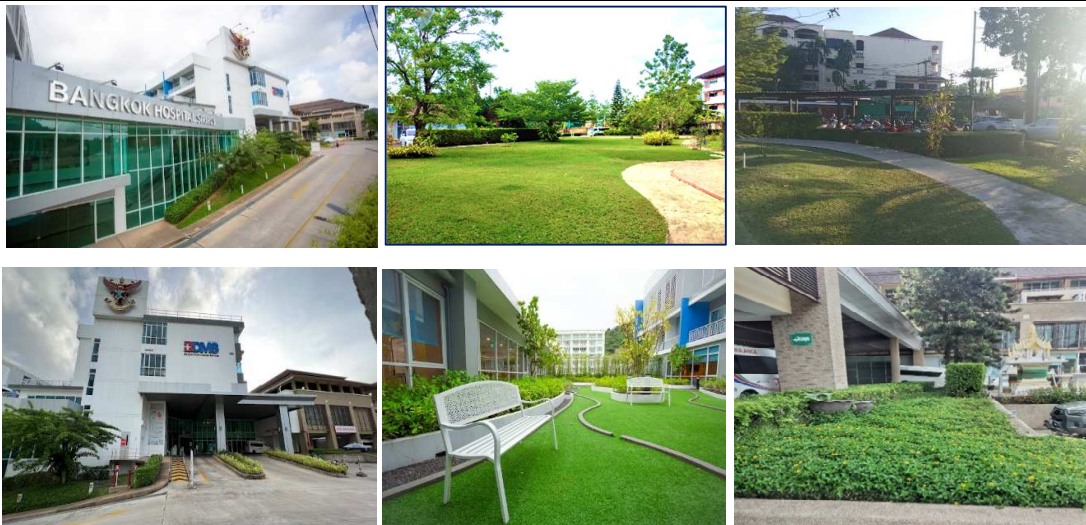
การควบคุมค่าคลอรีนคงเหลือในถังเก็บน้ำประปา(น้ำใช้) และน้ำทิ้งของโรงพยาบาล



ป้ายจราจรต่างๆ ในเขตพื้นที่โรงพยาบาล ป้องกันอุบัติเหตุที่อาจเกิดขึ้น



เจ้าหน้าที่รปภ. คอยอำนวยความสะดวกด้านจราจรในช่วงโมงเร่งด่วน



พื้นที่สีเขียวตามจุดต่างๆ ของโรงพยาบาล



แสงสว่างถนนรอบโรงพยาบาล

ภาคผนวก ข ใบอนุญาตใช้น้ำบาดาล

โปรดทราบ

เมื่อท่านเลิกใช้น้ำบาดาล ท่านต้องแจ้ง
เป็นหนังสือให้พนักงานน้ำบาดาลประจำท้องที่
ทราบภายใน ๑๕ วัน และต้องทำการอุดกลบ
บ่อน้ำบาดาลด้วยซีเมนต์หรือดินเหนียวบริสุทธิ์
ตั้งแต่กันบ่อจนถึงปากบ่อ



คำเตือน

๑. ต้องแสดงใบอนุญาตไว้ในที่เปิดเผยและเห็นได้ง่าย ณ ..สถานที่ระบุไว้ในใบอนุญาต
๒. ต้องยื่นคำขอต่ออายุใบอนุญาตก่อนที่ใบอนุญาตสิ้นอายุไม่น้อยกว่าสิบห้าวัน
๓. ต้องติดตั้งเครื่องวัดปริมาณน้ำประจําบ่อทุกบ่อ

แบบ นบ.๕

ใบอนุญาตที่ ๓๑ - ๕๐๔๖๔ - ๐๐๘๕

ใบอนุญาตใช้น้ำบาดาล

ใบอนุญาตฉบับนี้ให้ไว้แก่ บริษัท โรงพยาบาลกรุงเทพภูเก็ตอินเตอร์เนชั่นแนล จำกัด
เพื่อแสดงว่าเป็นผู้รับอนุญาตให้ใช้น้ำบาดาลจากบ่อน้ำบาดาลหมายเลข ๕๓๐๔ - ๐๑๓๕
ขนาดบ่อน้ำบาดาล ๑๕๐ มิลลิเมตร ความลึก ๖๐ เมตร ตั้งอยู่เลขที่ โฉนดที่ดิน ๔๒๙๘๓ (เลขที่ ๔๔)
หมู่ที่ ตรอก/ซอย ถนน เฉลิมพระเกียรติ ร.๙ ตำบล/แขวง วิจิตร
อำเภอ/เขต เมือง จังหวัด ภูเก็ต เขตเทศบาล/อบต. ตำบลวิจิตร
โดยมีเงื่อนไข ดังต่อไปนี้

ข้อ ๑ ต้องใช้น้ำบาดาลเพื่อ ธุรกิจ

ข้อ ๒ ต้องไม่สูบน้ำจากบ่อน้ำบาดาลเกินกว่าเดือนละ ๕๖๐ ลูกบาศก์เมตร

ข้อ ๓ กรณีใช้น้ำบาดาลเพื่อบริโภคต้องปรับปรุงคุณภาพน้ำให้เป็นไปตามมาตรฐานน้ำบาดาลที่จะใช้บริโภค

ข้อ ๔ ในกรณีที่พนักงานน้ำบาดาลประจำท้องที่ หรือพนักงานเจ้าหน้าที่ตามพระราชบัญญัติน้ำบาดาล พ.ศ. ๒๕๒๐ พิจารณาเห็นว่า เป็นพื้นที่ที่อาจจะส่งผลกระทบต่อศักยภาพน้ำบาดาล สิ่งแวดล้อม และสุขภาพ ให้ผู้รับใบอนุญาตส่งผลการวิเคราะห์คุณภาพน้ำบาดาลต่อพนักงานน้ำบาดาลประจำท้องที่ภายใน ๓๐ วัน นับแต่วันที่ได้รับแจ้ง

ใบอนุญาตนี้ออกให้เมื่อวันที่ ๙ เดือน มีนาคม พ.ศ. ๒๕๖๔

สิ้นอายุวันที่ ๘ เดือน มีนาคม พ.ศ. ๒๕๖๖

(ลายมือชื่อ)



ผู้ออกใบอนุญาต

(นายวัฒนพงษ์ สุกใส)

ผู้อำนวยการสำนักงานทรัพยากรธรรมชาติและสิ่งแวดล้อมจังหวัดภูเก็ต
ผู้ได้รับมอบหมายให้เป็นผู้ออกใบอนุญาตแทนอธิบดีกรมทรัพยากรน้ำบาดาล

การต่ออายุใบอนุญาต

ครั้งที่	วันสิ้นอายุครั้งต่อไป	ผู้ได้รับมอบหมายให้เป็นผู้ออกใบอนุญาต แทนอธิบดีกรมทรัพยากรน้ำบาดาล	หมายเหตุ
๑	๘ มีนาคม ๒๕๖๘	 (นายวัฒนพงษ์ สุกใส) ผู้อำนวยการ	
๒	๘ มีนาคม ๒๕๗๐	นางกนกพร ทรัพยากรธรรมชาติและสิ่งแวดล้อมจังหวัดภูเก็ต	
๓	๘ มีนาคม ๒๕๗๒		
๔	๘ มีนาคม ๒๕๗๔		

ภาคผนวก ค

ผลการตรวจวิเคราะห์คุณภาพน้ำ
เดือนกรกฎาคม - ธันวาคม 2568



Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprikat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location :

Lot ID: 2555316

Date Received : Jul 10, 2025

Date Reported : Jul 30, 2025

Report Number : 3370733-1

Page 1 of 1

Sample Number	2555316-5
Sampled Date	Jul 09, 2025 10:25 AM
Sample Description	น้ำเสียก่อนเข้าระบบบำบัด
Location	อาคาร 3
Date Analysis Commenced	Jul 10, 2025
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	114	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	243	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	620	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	37.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location :

TESTING

No.0166

Lot ID: 2555316

Date Received : Jul 10, 2025

Date Reported : Jul 30, 2025

Report Number : 3370734-1

Page 1 of 2

Sample Number	2555316-6
Sampled Date	Jul 09, 2025 11:10 AM
Sample Description	น้ำทิ้งหลังออกจากระบบ
Location	อาคาร 1,5
Date Analysis Commenced	Jul 10, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	<1.8	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	7.8	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.4	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	38	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine *	mg/L	-	0.1	0.6	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (G)	Bangkok
Sulfide *	mg/L	-	0.5	0.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location:

TESTING

No.0166

Lot ID: 2555316

Date Received : Jul 10, 2025

Date Reported : Jul 30, 2025

Report Number : 3370734-1

Page 2 of 2

Sample Number	2555316-6						
Sampled Date	Jul 09, 2025 11:10 AM						
Sample Description	น้ำทิ้งหลังออกจากกรรม						
Location	อาคาร 1,5						
Date Analysis Commenced	Jul 10, 2025						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	444	(1)	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	31.9	≤35	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	13	≤30	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.

(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location :

TESTING
No.0166

Lot ID: 2555316

Date Received : Jul 10, 2025

Date Reported : Jul 30, 2025

Report Number : 3370729-1

Page 1 of 2

Sample Number 2555316-1
Sampled Date Jul 09, 2025 10:48 AM
Sample Description น้ำอุปโภค (น้ำประปา)
Location กิ่งเขื่อนน้ำประปา อาคาร 3 ชั้น 7
Date Analysis Commenced Jul 10, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
^[A] Iron	mg/L	0.003	0.005	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
^[A] Manganese	mg/L	0.0003	0.0005	0.01	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	16.3	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	5.6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166
Lot ID: 2555316
Date Received : Jul 10, 2025
Date Reported : Jul 30, 2025
Report Number : 3370729-1

Page 2 of 2

Sample Number 2555316-1
Sampled Date Jul 09, 2025 10:48 AM
Sample Description น้ำอุปโภค (น้ำประปา)
Location สระว่ายน้ำประปา อาคาร 3 ชั้น 7
Date Analysis Commenced Jul 10, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Residual Free Chlorine	mg/L	-	0.1	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	12.8	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	90	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	42	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.75	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2567757
Date Received : Aug 07, 2025
Date Reported : Aug 25, 2025
Report Number: 3390523-1

Page 1 of 1

Sample Number	2567757-7					
Sampled Date	Aug 06, 2025 11:50 AM					
Sample Description	น้ำเสียก่อนเข้าระบบบำบัด					
Location	อาคาร 1,5					
Date Analysis Commenced	Aug 07, 2025					
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	105	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	232	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	492	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	102	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	55	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location :

TESTING
No.0166

Lot ID: 2567757

Date Received : Aug 07, 2025

Date Reported : Aug 25, 2025

Report Number : 3390525-1

Page 1 of 2

Sample Number	2567757-9
Sampled Date	Aug 06, 2025 11:45 AM
Sample Description	น้ำทิ้งหลังจากการขม
Location	อาคาร 1,5
Date Analysis Commenced	Aug 07, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	2.0	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	33.0	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	28	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	5.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine *	mg/L	-	0.1	0.3	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (G)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

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Ananta B

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location :

TESTING

No.0166

Lot ID: 2567757

Date Received : Aug 07, 2025

Date Reported : Aug 25, 2025

Report Number : 3390525-1

Page 2 of 2

Sample Number	2567757-9
Sampled Date	Aug 06, 2025 11:45 AM
Sample Description	น้ำทิ้งหลังออกจากระบบ
Location	อาคาร 1,5
Date Analysis Commenced	Aug 07, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	460	(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	34.2	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.

(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166

Lot ID: 2567757

Date Received : Aug 07, 2025

Date Reported : Aug 25, 2025

Report Number : 3390517-1

Page 1 of 2

Sample Number 2567757-1
Sampled Date Aug 06, 2025 11:40 AM
Sample Description น้ำประปา (น้ำประปา)
Location น้ำประปา (จากอาคารประปา)
Date Analysis Commenced Aug 07, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.003	0.005	0.01	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.07	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	11.2	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	4.2	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2567757

Date Received : Aug 07, 2025
Date Reported : Aug 25, 2025
Report Number : 3390517-1

Page 2 of 2

Sample Number 2567757-1
Sampled Date Aug 06, 2025 11:40 AM
Sample Description น้ำอุปโภค (น้ำประปา)
Location น้ำขาเข้า (จากอาคารประปา)
Date Analysis Commenced Aug 07, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Residual Free Chlorine	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	9.9	≤250	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	102	≤500	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	37	≤300	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.25	≤5	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DMS Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166

Lot ID: 2567757

Date Received : Aug 07, 2025
Date Reported : Aug 25, 2025
Report Number : 3390525-1

Page 1 of 2

Sample Number 2567757-9
Sampled Date Aug 06, 2025 11:45 AM
Sample Description น้ำทิ้งหลังออกจากระบบ
Location อาคาร 1,5
Date Analysis Commenced Aug 07, 2025
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	2.0	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	33.0	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	28	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	5.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine *	mg/L	-	0.1	0.3	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-CI (G)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166
Lot ID: 2567757
Date Received : Aug 07, 2025
Date Reported : Aug 25, 2025
Report Number : 3390525-1

Page 2 of 2

Sample Number	2567757-9						
Sampled Date	Aug 06, 2025 11:45 AM						
Sample Description	น้ำทิ้งหลังออกจากระบบ						
Location	อาคาร 1,5						
Date Analysis Commenced	Aug 07, 2025						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	460	(1)	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	34.2	≤35	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤30	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.
(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.
Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2579516

Date Received : Sep 04, 2025
Date Reported : Sep 19, 2025
Report Number : 3410727-1

Page 1 of 1

Sample Number 2579516-3
Sampled Date Sep 03, 2025 11:30 AM
Sample Description น้ำเสียก่อนเข้าระบบบำบัด
Location อาคาร 1,5
Date Analysis Commenced Sep 04, 2025
Condition of Sample Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	78.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	268	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C	-	-	-	8.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Sulfide *	mg/L	-	0.5	8.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	480	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	59.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	67	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166

Lot ID: 2579516
Date Received : Sep 04, 2025
Date Reported : Sep 20, 2025
Report Number : 3410729-1

Page 1 of 2

Sample Number 2579516-5
Sampled Date Sep 03, 2025 11:20 AM
Sample Description น้ำทิ้งหลังออกจากระบบ
Location อาคาร 1,5
Date Analysis Commenced Sep 04, 2025
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	2.0	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	110.0	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.2	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	26	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine	mg/L	-	0.1	0.3	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (G)	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

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Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2579516
Date Received : Sep 04, 2025
Date Reported : Sep 20, 2025
Report Number : 3410729-1

Page 2 of 2

Sample Number	2579516-5
Sampled Date	Sep 03, 2025 11:20 AM
Sample Description	น้ำทิ้งหลังออกจากระบบ
Location	อาคาร 1,5
Date Analysis Commenced	Sep 04, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	396	(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	22.6	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	6	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.
(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2579516
Date Received : Sep 04, 2025
Date Reported : Sep 20, 2025
Report Number : 3410725-1

Page 1 of 3

Sample Number 2579516-1
Sampled Date Sep 03, 2025 9:50 AM
Sample Description น้ำอุปโภค (น้ำประปา)
Location ค้างเก็บน้ำประปา อาคาร 1 ชั้น 2
Date Analysis Commenced Sep 04, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Chromium	mg/L	0.0003	0.0005	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Copper	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Iron	mg/L	0.003	0.005	0.02	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.01	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla

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Chompoonuch Funtha
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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2579516
Date Received : Sep 04, 2025
Date Reported : Sep 20, 2025
Report Number : 3410725-1

Page 2 of 3

Sample Number	2579516-1						
Sampled Date	Sep 03, 2025 9:50 AM						
Sample Description	น้ำอุปโภค (น้ำประปา)						
Location	ตึกคึกน้ำประปา อาคาร 1 ชั้น 2						
Date Analysis Commenced	Sep 04, 2025						
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Zinc	mg/L	0.003	0.005	Not Detected	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	17.3	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Fluoride as F	mg/L	0.05	0.1	0.2	≤0.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
^[A] Nitrate as NO3	mg/L	0.3	1.0	6.6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING

No.0166

Lot ID: 2579516

Date Received : Sep 04, 2025

Date Reported : Sep 20, 2025

Report Number : 3410725-1

Page 3 of 3

Sample Number	2579516-1						
Sampled Date	Sep 03, 2025 9:50 AM						
Sample Description	น้ำดื่มโกลด์ (น้ำประปา)						
Location	สภ.กม.น.ประปา อาคาร 1 ชั้น 2						
Date Analysis Commenced	Sep 04, 2025						
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
^[A] Nitrite as NO ₂	mg/L	0.15	0.4	Not Detected	≤3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	15.4	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	87	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	35	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.35	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2589286

Date Received : Oct 09, 2025
Date Reported : Oct 28, 2025
Report Number : 3434987-1

Page 1 of 1

Sample Number	2589286-3
Sampled Date	Oct 08, 2025 11:11 AM
Sample Description	น้ำเสียก่อนเข้ระบบบำบัด
Location	อาคาร 1,5
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	125	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	266	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	412	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	139	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	62	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Thaksin Aintrom

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2589286
Date Received : Oct 09, 2025
Date Reported : Oct 25, 2025
Report Number : 3434988-1

Page 1 of 1

Sample Number	2589286-4
Sampled Date	Oct 08, 2025 10:42 AM
Sample Description	น้ำเสียบก่อนเข้าระบบบำบัด
Location	อาคาร 3
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	134	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	253	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	652	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	61.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	36	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Thaksin Aintrom

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING

No.0166

Lot ID: 2589286

Date Received : Oct 09, 2025

Date Reported : Oct 27, 2025

Report Number: 3434989-1

Page 1 of 2

Sample Number	2589286-5
Sampled Date	Oct 08, 2025 11:07 AM
Sample Description	น้ำทิ้งหลังออกจากรถยนต์
Location	อาคาร 1,5
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	<1.8	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	<25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine *	mg/L	-	0.1	0.4	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (G)	Bangkok
Sulfide *	mg/L	-	0.5	0.8	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Siriluk P.

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2589286
Date Received : Oct 09, 2025
Date Reported : Oct 27, 2025
Report Number : 3434989-1

Page 2 of 2

Sample Number 2589286-5
Sampled Date Oct 08, 2025 11:07 AM
Sample Description น้ำทิ้งหลังออกจากกรรม
Location อาคาร 1,5
Date Analysis Commenced Oct 09, 2025
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	536	(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	56.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	8	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.
(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166
Lot ID: 2589286
Date Received : Oct 09, 2025
Date Reported : Oct 28, 2025
Report Number : 3434985-1

Page 1 of 3

Sample Number	2589286-1
Sampled Date	Oct 08, 2025 10:20 AM
Sample Description	น้ำอุปโภค (น้ำประปา)
Location	ตึกเก็บน้ำประปา อาคาร 1 ชั้น 7
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Chromium	mg/L	0.0003	0.0005	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Copper	mg/L	0.0003	0.0005	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Iron	mg/L	0.003	0.005	0.02	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.009	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla

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Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166
Lot ID: 2589286
Date Received : Oct 09, 2025
Date Reported : Oct 28, 2025
Report Number : 3434985-1

Page 2 of 3

Sample Number 2589286-1
Sampled Date Oct 08, 2025 10:20 AM
Sample Description น้ำดื่มโกลด์ (น้ำประปา)
Location สังก.คิมน้ำประปา อาคาร 1 ชั้น 7
Date Analysis Commenced Oct 09, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Songkhla
Zinc	mg/L	0.003	0.005	Not Detected	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Songkhla
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	15.2	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Fluoride as F	mg/L	0.05	0.1	<0.1	≤0.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
^[A] Nitrate as NO ₃	mg/L	0.3	1.0	5.4	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166
Lot ID: 2589286
Date Received : Oct 09, 2025
Date Reported : Oct 28, 2025
Report Number : 3434985-1

Page 3 of 3

Sample Number	2589286-1
Sampled Date	Oct 08, 2025 10:20 AM
Sample Description	น้ำดื่มโกลด์ (น้ำประปา)
Location	ตึกเก็บน้ำประปา อาคาร 1 ชั้น 7
Date Analysis Commenced	Oct 09, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
^[A] Nitrite as NO ₂	mg/L	0.15	0.4	Not Detected	≤3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	11.0	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	89	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	37	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.35	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number : 3457253-1

Page 1 of 1

Sample Number	2598354-5
Sampled Date	Nov 05, 2025 11:20 AM
Sample Description	น้ำเสียก่อนเข้าระบบบำบัด
Location	อาคาร 1,5
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	148	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	268	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	472	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	98.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	54	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location:

TESTING
No.0166

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number : 3457255-1

Page 1 of 2

Sample Number	2598354-7
Sampled Date	Nov 05, 2025 11:15 AM
Sample Description	น้ำดื่มหลังออกจากระบบ
Location	อาคาร 1,5
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	<1.8	≤1000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	≤5000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.7	≤20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
COD	mg/L	-	25	29	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Chlorine *	mg/L	-	0.1	0.7	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (G)	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Kanitta H.
Kanitta Hemprasatporn
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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number : 3457255-1

Page 2 of 2

Sample Number	2598354-7
Sampled Date	Nov 05, 2025 11:15 AM
Sample Description	น้ำทิ้งหลังออกจากกระบะ
Location	อาคาร 1,5
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	412	(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	22.9	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla
Total Suspended Solids	mg/L	-	5	5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.

(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Kanitta H.

Kanitta Hemprasatporn
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Analysis / Test Report

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P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number : 3457249-1

Page 1 of 3

Sample Number	2598354-1
Sampled Date	Nov 05, 2025 10:10 AM
Sample Description	น้ำประปา (น้ำประปา)
Location	อ่างล้างมือก่อนเข้าห้องผ่าตัด (อยู่ระหว่างห้องผ่าตัด 4-5) : ถังน้ำถังที่ 3
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Chromium	mg/L	0.0003	0.0005	<0.0005	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Copper	mg/L	0.0003	0.0005	0.02	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Iron	mg/L	0.003	0.005	0.07	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Lead	mg/L	0.0003	0.0005	0.0009	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.21	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla

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Approved by

Kanitta H.
Kanitta Hemprasatporn
Section Head

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number : 3457249-1

Page 2 of 3

Sample Number	2598354-1
Sampled Date	Nov 05, 2025 10:10 AM
Sample Description	น้ำอุปโภค (น้ำประปา)
Location	อ่างล้างมือก่อนทำการ หนี้น้องผาดัด (อยู่ระหว่างห้องผาดัด 4-5) : ก๊อกน้ำถังที่ 3
Date Analysis Commenced	Nov 06, 2025
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Zinc	mg/L	0.003	0.005	0.03	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	51.0	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Fluoride as F	mg/L	0.05	0.1	0.6	≤0.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
^[A] Nitrate as NO3	mg/L	0.3	1.0	4.6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Kanitta H.

Kanitta Hemprasatporn
Section Head

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0166

Lot ID: 2598354
Date Received : Nov 06, 2025
Date Reported : Nov 26, 2025
Report Number: 3457249-1

Page 3 of 3

Sample Number	2598354-1						
Sampled Date	Nov 05, 2025 10:10 AM						
Sample Description	น้ำปัสสาวะ (น้ำปัสสาวะ)						
Location	อ่างล้างมือก่อนเข้าห้องผ่าตัด (อยู่ระหว่างห้องผ่าตัด 4-5) : ก้อนน้ำแข็งที่ 3						
Date Analysis Commenced	Nov 06, 2025						
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
[A] Nitrite as NO ₂	mg/L	0.15	0.4	Not Detected	≤3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
[A] Sulfate	mg/L	0.15	0.5	14.6	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	183	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	49	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.90	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Kanitta H.
Kanitta Hemprasatporn
Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 25108992
Date Received : Dec 03, 2025
Date Reported : Dec 15, 2025
Report Number : 3471551-1

Page 1 of 1

Sample Number	25108992-1					
Sampled Date	Dec 02, 2025 1:55 PM					
Sample Description	น้ำเสียก่อนบำบัด					
Location	อาคาร 1,5					
Date Analysis Commenced	Dec 04, 2025					
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	110	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	213	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	7.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	7.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	296	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	96.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Sampling By : Yuttapong Rattana

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Suwimon C.
Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0009
Lot ID: 25108992
Date Received : Dec 03, 2025
Date Reported : Dec 15, 2025
Report Number : 3471553-1

Page 1 of 2

Sample Number 25108992-3
Sampled Date Dec 02, 2025 1:40 PM
Sample Description น้ำทิ้งหลังออกจากกระบอก
Location อาคาร 1,5
Date Analysis Commenced Dec 03, 2025
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Bangkok
Fecal Coliform	MPN/100mL	-	-	<1.8	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	≤5000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Bangkok
pH at 25 degree C		-	-	6.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Chlorine *	mg/L	-	0.1	0.8	≤1.0	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - Cl (G)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Suwannee Chuamkeaw
Section Head

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Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

TESTING
No.0009
Lot ID: 25108992
Date Received : Dec 03, 2025
Date Reported : Dec 15, 2025
Report Number : 3471553-1

Page 2 of 2

Sample Number	25108992-3						
Sampled Date	Dec 02, 2025 1:40 PM						
Sample Description	น้ำทิ้งหลังออกจากระบบ						
Location	อาคาร 1,5						
Date Analysis Commenced	Dec 03, 2025						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	468	(1)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	24.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type A.
(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 1000 mg/L.

Sampling By : Yuttapong Rattana

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

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Section Head

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ISO/IEC 17025
Accreditation No. 1031/47

Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermparkiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000

P/O : 067-4307250348

Project Name :

Project Location:

Lot ID: 2598370

Date Received : Dec 04, 2025

Date Reported : Dec 23, 2025

Report Number : 3434329-1

Page 1 of 9

Sample Number 2598370-1
Sampled Date Dec 03, 2025 11:37 AM
Sample Description น้ำผิวดิน (น้ำประปา)
Location สังกะสีน้ำประปา อาคาร 3 ชั้น 2
Date Analysis Commenced Dec 04, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0007	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	<0.0005	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.02	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.004	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Approved by

Savitree N.

Savitree Noisangiam
Manager

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ISO/IEC 17025

Accreditation No. 1031/47

Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalermprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2598370

Date Received : Dec 04, 2025

Date Reported : Dec 23, 2025

Report Number : 3434329-1

Page 2 of 9

Sample Number	2598370-1						
Sampled Date	Dec 03, 2025 11:37 AM						
Sample Description	น้ำอุปโภค (น้ำประปา)						
Location	ตึกเก็บน้ำประปา อาคาร 3 ชั้น 2						
Date Analysis Commenced	Dec 04, 2025						
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Zinc	mg/L	0.003	0.005	<0.005	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<1.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Chloride as Cl	mg/L	0.06	0.2	12.5	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Color (Apparent) *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Bangkok
Fluoride as F	mg/L	0.05	0.1	<0.1	≤0.7	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Nitrate as NO3	mg/L	0.3	1.0	3.2	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok

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Approved by

Sawitree Noisangiam
Manager

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ISO/IEC 17025
Accreditation No. 1031/47

Analysis / Test Report

Client : Bangkok Phuket International Hospital Co., Ltd.
44 Moo.5, Chalemprakiat Ror 9 Road, Vichit, Muang, Phuket Thailand 83000
P/O : 067-4307250348
Project Name :
Project Location :

Lot ID: 2598370
Date Received : Dec 04, 2025
Date Reported : Dec 23, 2025
Report Number : 3434329-1

Page 3 of 9

Sample Number 2598370-1
Sampled Date Dec 03, 2025 11:37 AM
Sample Description น้ำอุปโภค (น้ำประปา)
Location ห้องเก็บน้ำประปา อาคาร 3 ชั้น 2
Date Analysis Commenced Dec 04, 2025
Condition of Sample Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrite as NO ₂	mg/L	0.15	0.4	Not Detected	≤3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Residual Free Chlorine	mg/L	-	0.1	0.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Bangkok
Sulfate	mg/L	0.15	0.5	1.2	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	72	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Hardness as CaCO ₃	mg/L	-	1	30	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.25	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Bangkok

Guideline : เกณฑ์คุณภาพน้ำประปาดื่มได้ ประกาศ กรมอนามัย พ.ศ. 2563

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Approved by

Sawitree N.

Sawitree Noisangiam
Manager

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ภาคผนวก ง

การตรวจคุณภาพน้ำและ
เชื้อลีจิโอเนลลา (Legionella)
ในระบบ Cooling tower



Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทน์ใน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : โรงพยาบาลกรุงเทพศิริโรจน์

Sample Type : Cooling Water

Sampling by : จุกก้า

Sampling Method : Grab

Sampling Date : 02/05/2568

Sampling Time : -

Received Date : 08/05/2568

Analytical Date : 08 - 19/05/2568

Report Date : 20/05/2568

Report No. : RS10594/68

Parameters	Unit	Method	TS10750 /68	มาตรฐาน ^a
			Cooling Tower	
Legionella spp.	/L	ISO 11731 : 2017	not detected	not detected
Sample Condition		Observation	เหลือถัง มีตะกอนละเอียด	

Remark : 1. a : Standard from Customer

E. Nisachol

Miss NISACHOL EUNGKLIENG

Analyst

20/05/2568



Miss ORASA YUBUA

Technical Manager

20/05/2568

Reported results refer to the sample as received only.

Test report shall not be reproduced except in full, without written approved of the laboratory.

The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025



Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทร์โน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : โรงพยาบาลกรุงเทพสิริโรจน์

Sample Type : Cooling Water

Sampling by : ลูกค้า

Sampling Method : Grab

Sampling Date : 02/05/2568

Sampling Time : -

Received Date : 08/05/2568

Analytical Date : 08 - 14/05/2568

Report Date : 16/05/2568

Report No. : RS10363/68

Parameters	Unit	Method	TS10748 /68	มาตรฐาน ^a
			Cooling Tower	
pH (25°C)	-	Based on SM 2023 (4500-H ⁺ B)	8.8	< 9.0
Conductivity	uS/cm	SM 2023 (2510 B)	2500	-
Total Alkalinity	mg/L as CaCO ₃	Titration	320	-
Total Hardness	mg/L as CaCO ₃	SM 2023 (2340 C)	202	< 400
Total Iron	mg/L as Fe	SM 2023 (3500-Fe B)	0.37	< 1.0
Manganese	mg/L	SM 2023 (3500-Mn B)	0.12	< 0.1
Sample Condition		Observation	เหลืองจาง มีตะกอนแขวนลอย	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023

2. a : Standard from Customer

D. Supimon

Miss SUPIMON DUNGIN

Analyst

16/05/2568



Technical Manager

16/05/2568

Reported results refer to the sample as received only.



Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทร์โน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : BDMS Siriraj Hospital

Sample Type : Cooling Water

Sampling by : ลูกพี่

Sampling Method : Grab

Sampling Date : 15/08/2568

Sampling Time : -

Received Date : 23/08/2568

Analytical Date : 23 - 26/08/2568

Report Date : 27/08/2568

Report No. : RS19256/68

Parameters	Unit	Method	TS20698 /68	มาตรฐาน ^a
			Cooling Tower	
pH (25°C)	-	Based on SM 2023 (4500-H ⁺ B)	8.9	< 9.0
Conductivity	uS/cm	SM 2023 (2510 B)	2150	-
Total Alkalinity	mg/L as CaCO ₃	Titration	255	-
Total Hardness	mg/L as CaCO ₃	SM 2023 (2340 C)	160	< 400
Total Iron	mg/L as Fe	SM 2023 (3500-Fe B)	< 0.10	< 1.0
Manganese	mg/L	SM 2023 (3500-Mn B)	< 0.04	< 0.1
Sample Condition		Observation	ใส	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023

2. a : Standard from Customer

D. Supimon

Miss SUPIMON DUNGIN

Analyst

27/08/2568

Miss ORASA YUBUA

Technical Manager

27/08/2568

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Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทร์โน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : โรงพยาบาลกรุงเทพศิริโรจน์

Sample Type : Cooling Water

Sampling by : ถูกก้า

Sampling Method : Grab

Sampling Date : 04/12/2568

Sampling Time : -

Received Date : 12/12/2568

Analytical Date : 12 - 16/12/2568

Report Date : 18/12/2568

Report No. : RS29464/68

Parameters	Unit	Method	TS31212 /68	มาตรฐาน ^ก
			Cooling Tower	
pH (25 °C)	-	Based on SM 2023 (4500-H ⁺ B)	9.1	< 9.0
Conductivity	uS/cm	SM 2023 (2510 B)	8640	-
Total Alkalinity	mg/L as CaCO ₃	SM 2023 (2320 B)	610	-
Total Hardness	mg/L as CaCO ₃	SM 2023 (2340 C)	258	< 400
Total Iron	mg/L as Fe	SM 2023 (3500-Fe B)	0.74	< 1.0
Manganese	mg/L	SM 2023 (3500-Mn B)	0.15	< 0.1
Sample Condition		Observation	เหลือถังจางน้ำ	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023

2. a : Standard from Customer

S. Nutsarin

Miss NUTSARIN SUKONPAKDEE

Analyst

18/12/2568



Technical Manager

18/12/2568

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Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทร์โน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : โรงพยาบาลกรุงเทพศิริโรจน์

Sample Type : Cooling Water

Sampling by : ลูก้า

Sampling Method : Grab

Sampling Date : 02/05/2568

Sampling Time : -

Received Date : 08/05/2568

Analytical Date : 08 - 19/05/2568

Report Date : 20/05/2568

Report No. : RS10594/68

Parameters	Unit	Method	TS10750 /68	มาตรฐาน ^a มาตรฐาน
			Cooling Tower	
Legionella spp.	/L	ISO 11731 : 2017	not detected	not detected
Sample Condition		Observation	เหลืออง มีตะกอนละเอียด	

Remark : 1. a : Standard from Customer

E. Nisachol

Miss NISACHOL EUNGKLIENG

Analyst

20/05/2568



Miss ORASA YUBUA
TEST TECH CO., LTD.
Technical Manager

20/05/2568

Reported results refer to the sample as received only.

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Analysis/Test Report

Customer Name : บริษัท เอสซีไอ เทคโนโลยี จำกัด

Address : 899/7 ตรอกวัดจันทร์ใน ซอยสาธุประดิษฐ์ 58 แขวงบางโพงพาง เขตยานนาวา กรุงเทพมหานคร 10120

Sampling Site : โรงพยาบาลกรุงเทพศิริโรจน์

Sample Type : Cooling Water

Sampling by : ลูกห่าน

Sampling Method : Grab

Sampling Date : 25/10/2568

Sampling Time : -

Received Date : 29/10/2568

Analytical Date : 29/10 - 08/11/2568

Report Date : 11/11/2568

Report No. : RS25513/68

Parameters	Unit	Method	TS26751 /68	มาตรฐาน ^a
			Cooling Tower	
Legionella spp.	/L	ISO 11731 : 2017	not detected	not detected
Sample Condition		Observation	เสียงจางใส	

Remark : 1. a : Standard from Customer

E. Nisachol

Miss NISACHOL EUNGKLIENG

Analyst

11/11/2568



Miss ORASA YUBUA

Technical Manager

11/11/2568

Reported results refer to the sample as received only.

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ภาคผนวก จ

ใบรับรองการดำเนิน

การฝึกซ้อมดับเพลิงและฝึกซ้อม

อพยพหนีไฟ

ประจำปี 2568



เลขทะเบียนนิติบุคคลที่ ดพฝ. ๖๘/๑๔๒

บริษัท ซานโต้ เซฟตี้ จำกัด SANTO SAFETY CO., LTD.

ได้รับอนุญาตจากกรมสวัสดิการและคุ้มครองแรงงาน ใบอนุญาตเลขที่ ๐๑๐๒-๐๓-๒๕๖๗-๐๐๙๒

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บริษัท โรงพยาบาลกรุงเทพภูเก็ต อินเตอร์เนชั่นแนล จำกัด
ตั้งอยู่เลขที่ ๔๔ หมู่ที่ ๕ เฉลิมพระเกียรติ ร.๙ ตำบลวิชิต อำเภอเมือง จังหวัดภูเก็ต ๘๓๐๐๐

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เมื่อวันที่ ๑๑ กรกฎาคม พ.ศ. ๒๕๖๘ จำนวน ๒๓๗ คน
ให้ไว้ ณ วันที่ ๑๑ กรกฎาคม พ.ศ. ๒๕๖๘

(นายสมบุญ จรรย์วิชัย)
กรรมการผู้จัดการ