

ภาคผนวก ง

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



คุณภาพน้ำทิ้ง



TEST REPORT

Date of Issue June 20, 2024

Report No. TRCM67/11908

Page (s) 01/01

ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ว - 139

Customer Name & Address
(provided by customer)

IBIS CHIANG MAI NIMMAN JOURNEYHUB
7/17 Moo 2 Chang Phueak, Muang Chiang Mai, Chiang Mai 50300 Thailand.

Sample Description
(provided by customer)

น้ำเสียก่อนบำบัด Influent

Sample Code

CM67/05217-001

Sample Condition

Sample type: Waste Water
Packaging : glass bottle and plastic bottle, tightly sealed.
Quantity : 2 bottles, Weight/Volume (Total) : 3 L.
Receipt condition : room temperature, normal condition.

Date of sample received

June 11, 2024

Date of analysis

June 11, 2024 - June 20, 2024

RESULT (S)

Test Item	Result	Standard	Unit	LOD	Reference Method
Oil and Grease	2.99	≤ 20	mg/L	-	APHA - AWWA (2017)
Total Kjeldahl Nitrogen	15.96	≤ 35	mg/L	-	APHA - AWWA (2017)
BOD	24.70	≤ 30	mg/L	-	APHA - AWWA (2017)
pH	4.94	5 - 9	-	-	APHA - AWWA (2017)
Settleable Solids *	0.3	≤ 0.5	mL/L	-	APHA - AWWA (2017)
Sulfide	1.00	≤ 1.0	mg/L	-	APHA - AWWA (2017)
Suspended Solids (SS)	23.00	≤ 40	mg/L	-	APHA - AWWA (2017)
Total Dissolved Solids	350.00	≤ 500	mg/L	-	APHA - AWWA (2017) 2540C

Note : Sample was collected by customer.

: Standard : Notification of Ministry of Natural Resources and Environment

Re : Building Effluent Standards for Specific sources Types of Building Defined as Pollution sources (Hotels type B)

* : Marked tests are not accredited by DIW.

~End of Report~

(ว-139-จ-4314)

(ว-139-ก-2852)

Approved Signatory

Central Laboratory (Thailand) Co., Ltd. (Chiangmai Branch)

CERTIFIED

The results apply to the sample as received.

The report shall not be reproduced without the written official approval, except in full.

FM-QP-24-01-013-R05(18/01/64)P1/1-CM



TEST REPORT

Date of Issue June 20, 2024

Report No. TRCM67/11909

Page (s) 01/01

ห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ว - 139

Customer Name & Address
(provided by customer)

IBIS CHIANG MAI NIMMAN JOURNEYHUB
7/17 Moo 2 Chang Phueak, Muang Chiang Mai, Chiang Mai 50300 Thailand.

Sample Description
(provided by customer)

น้ำเสียหลังบำบัด Effluent

Sample Code

CM67/05218-001

Sample Condition

Sample type: Waste Water
Packaging : glass bottle and plastic bottle, tightly sealed.
Quantity : 3 bottles, Weight/Volume (Total) : 3.25 L.
Receipt condition : room temperature, normal condition.

Date of sample received

June 11, 2024

Date of analysis

June 11, 2024 - June 20, 2024

RESULT (S)

Test Item	Result	Standard	Unit	LOD	Reference Method
Oil and Grease	2.13	≤ 20	mg/L	-	APHA - AWWA (2017)
Total Kjeldahl Nitrogen	13.30	≤ 35	mg/L	-	APHA - AWWA (2017)
BOD	4.75	≤ 30	mg/L	-	APHA - AWWA (2017)
pH	6.54	5 - 9	-	-	APHA - AWWA (2017)
Settleable Solids *	< 0.2	≤ 0.5	mL/L	-	APHA - AWWA (2017)
Sulfide	< 1.0	≤ 1.0	mg/L	-	APHA - AWWA (2017)
Suspended Solids (SS)	5.67	≤ 40	mg/L	-	APHA - AWWA (2017)
Total Dissolved Solids	472.00	≤ 500	mg/L	-	APHA - AWWA (2017) 2540C
Fecal Coliform *	3300	-	MPN/100mL	-	Standard Methods for the Examination of Water and Wastewater APHA, AWWA, WEF, 23rd Edition, 2017, Part 9221

Note : Sample was collected by customer.

: Standard : Notification of Ministry of Natural Resources and Environment

Re : Building Effluent Standards for Specific sources Types of Building Defined as Pollution sources (Hotels type B)

* : Marked tests are not accredited by DIW.

~End of Report~



Approved Signatory
Central Laboratory (Thailand) Co., Ltd. (Chiangmai Branch)

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(ว-139-จ-4314)

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FM-QP-24-01-013-R05(18/01/64)P1/1-CM



คุณภาพน้ำสระว่ายน้ำ (pH และ CL)



Checklist Water Swimming Pool



Month January YEAR 2024

Swimming Pool												
						Clean Swimming pool/Filter		Swimming Pool (sq.m)			Time	Sign
DAY	CHECK		ADD Chemical					มิเตอร์สรวายน้ำ				
	CL	PH	CL	SODA	SALT	Y	N	จคครั้งก่อน	จคครั้งหลัง	ยอดการใช้		
1	1.5	7.2	—	—	—	✓	✓	—	—	—	6.30	
2	1.5	7.2	—	—	—	—	—	—	—	—	6.30	
3	1.5	7.2	—	—	—	—	—	—	—	—	6.40	
4	1.5	7.2	—	—	—	—	—	—	—	—	6.40	
5	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
6	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
7	1.5	7.2	—	—	—	✓	✓	—	—	—	6.00	
8	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
9	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
10	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.00	
11	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
12	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
13	1.5	7.2	—	—	—	✓	✓	—	—	—	06.20	
14	1.5	7.2	—	—	—	—	—	—	—	—	07.00	
15	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
16	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
17	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
18	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.30	
19	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
20	1.5	7.2	—	—	—	✓	✓	—	—	—	06.50	
21	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
22	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
23	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.40	
24	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
25	1.5	7.2	—	—	—	—	—	—	—	—	07.15	
26	1.5	7.2	—	—	—	—	—	—	—	—	06.40	
27	1.5	7.2	—	—	—	—	—	—	—	—	06.40	
28	1.5	7.2	—	—	—	✓	✓	—	—	—	06.00	
29	1.5	7.2	—	—	—	—	—	—	—	—	06.20	
30	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
31	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.20	

Engineer comment : _____

Checklist Water Swimming Pool



Month February YEAR 2024

Swimming Pool

Swimming Pool												
DAY	CHECK		ADD Chemical			Clean Swimming pool/Filter		Swimming Pool (sq.m)			Time	Sign
								มีเตอร์สรวายน้ำ				
	CL	PH	CL	SODA	SALT	Y	N	จดครั้งแรก	จดครั้งหลัง	ยอดการใช้		
1	1.5	7.2	—	—	—	—	—	—	—	—	06.40	
2	1.5	7.2	—	—	—	—	—	—	—	—	06.20	
3	1.5	7.2	—	—	—	✓	—	—	—	—	06.00	
4	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
5	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
6	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.50	
7	1.5	7.2	—	—	—	—	—	—	—	—	7.10	
8	1.5	7.2	—	—	—	—	—	—	—	—	7.10	
9	1.5	7.2	—	—	—	—	—	—	—	—	7.20	
10	1.5	7.2	—	—	—	—	—	—	—	—	07.30	
11	1.5	7.2	—	—	—	✓	—	—	—	—	05.30	
12	1.5	7.2	—	—	—	—	—	—	—	—	07.00	
13	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
14	1.5	7.2	—	—	—	—	—	—	—	—	7.00	
15	1.5	7.2	—	—	—	—	—	—	—	—	7.00	
16	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.30	
17	1.5	7.2	—	—	—	✓	—	—	—	—	06.00	
18	1.5	7.2	—	—	—	—	—	—	—	—	07.10	
19	1.5	7.2	—	—	—	—	—	—	—	—	06.10	
20	1.5	7.2	—	—	—	—	—	—	—	—	06.30	
21	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
22	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
23	1.5	7.2	—	—	—	—	—	—	—	—	06.55	
24	1.5	7.2	—	—	—	✓	—	—	—	—	06.00	
25	1.5	7.2	—	—	—	—	—	—	—	—	06.50	
26	1.5	7.2	—	—	1 Sack	—	—	—	—	—	06.10	
27	1.5	7.2	—	—	—	—	—	—	—	—	06.20	
28	1.5	7.2	—	—	—	—	—	—	—	—	6.50	
29	1.5	7.2	—	—	—	—	—	—	—	—	7.00	
30												
31												

Engineer comment :

Checklist Water Swimming Pool



Month March Year 2024

Swimming Pool												
DAY	CHECK		ADD Chemical			Clean Swimming pool/Filter		Swimming Pool (sq.m)			Time	Sign
								มิเตอร์สรวายน้ำ				
	CL	PH	CL	SODA	SALT	Y	N	จัดครั้งก่อน	จัดครั้งหลัง	ยอดการใช้		
1	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
2	1.5	7.2	-	-	-	✓	-	-	-	-		
3	1.5	7.2	-	-	-	-	-	-	-	-		
4	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
5	1.5	7.2	-	-	-	✓	-	-	-	-	6.30	
6	1.5	7.2	-	-	-	-	-	-	-	-	7.00	
7	1.5	7.2	-	-	-	-	-	-	-	-	7.00	
8	1.5	7.2	-	-	-	✓	-	-	-	-	6.20	
9	1.5	7.2	-	-	-	-	-	-	-	-	6.20	
10	1.5	7.2	-	-	-	✓	-	-	-	-	6.20	
11	1.5	7.2	-	-	-	-	-	-	-	-	6.00	
12	1.5	7.2	-	-	-	-	-	-	-	-	6.50	
13	1.5	7.2	-	-	-	✓	-	-	-	-	6.50	
14	1.5	7.2	-	-	-	-	-	-	-	-	7.00	
15	1.5	7.2	-	-	-	-	-	-	-	-	6.45	
16	1.5	7.2	-	-	25kg	✓	-	-	-	-	6.30	
17	1.5	7.2	-	-	-	-	-	-	-	-	6.25	
18	1.5	7.2	-	-	-	-	-	-	-	-	6.40	
19	1.5	7.2	-	-	-	-	-	-	-	-	7.00	
20	1.5	7.2	-	-	-	✓	-	-	-	-	7.00	
21	1.5	7.2	0.2	-	-	-	-	-	-	-	7.00	
22	1.5	7.2	-	-	-	✓	-	-	-	-	7.00	
23	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
24	1.5	7.2	-	-	-	-	-	-	-	-	6.20	
25	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
26	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
27	1.5	7.2	-	-	-	✓	-	-	-	-	6.50	
28	1.5	7.2	-	-	-	-	-	-	-	-	6.20	
29	1.5	7.2	-	-	-	-	-	-	-	-	6.30	
30	1.5	7.2	-	-	25kg	✓	-	-	-	-	6.00	
31	1.5	7.2	-	-	-	-	-	-	-	-	6.20	

Engineer comment : _____

Checklist Water Swimming Pool



Month April YEAR 2024

Swimming Pool

DAY	CHECK		ADD Chemical			Clean Swimming pool/Filter		Time	Sign
	CL	PH	CL	SODA	SALT	Y	N		
1	1.5	7.2	-	-	-	✓	-	7.00	
2	1.5	7.2	-	-	-	✓	-	6.40	
3	1.5	7.2	-	-	-	-	-	6.30	
4	1.5	7.2	-	-	-	-	-	07.00	
5	1.5	7.2	-	-	-	✓	-	06.00	
6	1.5	7.2	-	-	-	-	-	06.30	
7	1.5	7.2	-	-	-	-	-	06.50	
8	1.5	7.2	-	-	-	✓	-	06.00	
9	1.5	7.2	-	-	-	-	-	06.00	
10	1.5	7.2	-	-	-	-	-	07.00	
11	1.5	7.2	-	-	-	✓	-	06.00	
12	1.5	7.2	-	-	-	-	-	07.00	
13	1.5	7.2	-	-	-	-	-	07.10	
14	1.5	7.2	-	-	-	✓	-	06.00	
15	1.5	7.2	-	-	-	-	-	06.50	
16	1.5	7.2	-	-	-	-	-	06.50	
17	1.5	7.2	-	-	-	✓	-	06.00	
18	1.5	7.2	-	-	1 Sack	-	-	06.40	
19	1.5	7.2	-	-	-	-	-	07.10	
20	1.5	7.2	-	-	-	✓	-	06.00	
21	1.5	7.2	-	-	-	-	-	06.10	
22	1.5	7.2	-	-	-	-	-	06.50	
23	1.5	7.2	-	-	-	✓	-	06.00	
24	1.5	7.2	-	-	-	-	-	06.00	
25	1.5	7.2	-	-	-	-	-	07.00	
26	1.5	7.2	-	-	-	✓	-	06.00	
27	1.5	7.2	-	-	-	-	-	06.50	
28	1.5	7.2	-	-	-	-	-	06.40	
29	1.5	7.2	-	-	1 Bag	✓	-	06.00	
30	1.5	7.2	-	-	-	-	-	06.50	
31	1.5	7.2	-	-	-	-	-	06.50	

Engineer comment : _____

Checklist Water Swimming Pool



Month MAY Year 2024

Swimming Pool												
DAY	CHECK		ADD Chemical			Clean Swimming pool/Filter		Swimming Pool (sq.m)			Time	Sign
								มิเตอร์สรวายน้ำ				
	CL	PH	CL	SODA	SALT	Y	N	จัดครั้งก่อน	จัดครั้งหลัง	ยอดการใช้		
1	1.5	7.2	—	—	—	—	—				06.50	
2	1.5	7.2	—	—	✓	✓	—				06.00	
3	1.5	7.2	—	—	—	—	—				06.50	
4	1.5	7.2	—	—	—	—	—				06.00	
5	1.5	7.2	—	—	—	✓	—				6.00	
6	1.5	7.2	—	—	—	—	—				6.30	
7	1.5	7.2	—	—	—	—	—				06.00	
8	1.5	7.2	—	—	—	✓	—				06.00	
9	1.5	7.2	—	—	—	—	—				06.55	
10	1.5	7.2	—	—	1 Sack	—	—				06.00	
11	1.5	7.2	—	—	—	✓	—				06.00	
12	1.5	7.2	—	—	—	—	—				07.00	
13	1.5	7.2	—	—	—	—	—				7.00	
14	1.5	7.2	—	—	—	✓	—				6.30	
15	1.5	7.2	—	—	—	—	—				06.00	
16	1.5	7.2	—	—	—	—	—				07.00	
17	1.5	7.2	—	—	—	✓	—				06.00	
18	1.5	7.2	—	—	1 Sack	—	—				06.00	
19	1.5	7.2	—	—	—	—	—				7.00	
20	1.5	7.2	—	—	—	✓	—				6.30	
21	1.5	7.2	—	—	—	—	—				06.50	
22	1.5	7.2	—	—	—	—	—				06.50	
23	1.5	7.2	—	—	—	✓	—				6.00	
24	1.5	7.2	—	—	—	—	—				6.30	
25	1.5	7.2	—	—	—	—	—				06.50	
26	1.5	7.2	—	—	1 Sack	✓	✓				06.00	
27	1.5	7.2	—	—	—	—	—				06.50	
28	1.5	7.2	—	—	—	—	—				06.50	
29	1.5	7.2	—	—	—	✓	—				06.00	
30	1.5	7.2	—	—	—	—	—				06.40	
31	1.5	7.2	—	—	—	—	—				6.50	

Engineer comment : _____

Checklist Water Swimming Pool



Month June Year 2024

Swimming Pool												
DAY	CHECK		ADD Chemical			Clean Swimming pool/Filter		Swimming Pool (sq.m)			Time	Sign
								มิเตอร์สรวายน้ำ				
	CL	PH	CL	SODA	SALT	Y	N	จัดครั้งก่อน	จัดครั้งหลัง	ยอดการใช้		
1	-	-	-	-	-	✓	-	-	-	-	6.00	
2	-	-	-	-	-	-	-	-	-	-	6.10	
3	1.5	7.6	-	-	-	-	-				7.00	
4	1.5	7.6	-	-	-	✓	-	-	-	-	6.30	
5	1.5	7.6	-	-	-	-	-	-	-	-	7.00	
6	1.5	7.6	-	-	-	✓	-	-	-	-	6.30	
7	1.5	7.6	-	-	-	-	-	-	-	-	6.30	
8	1.5	7.6	-	25kg	-	✓	-	-	-	-	6.00	
9												
10												
11												
12												
13												
14												
15												
16												
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31												

Engineer comment : _____
