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บริษัท เบสท์ ชอยส์ เคมีคัลส์ แอนด์ เอ็นจิเนียริง จำกัด
72/12 Moo 6, Sakdilat RD., Tambol Vichit, Aumthur Muangphuket, Phuket 83000
E-mail : bestchoice@outlook.co.th www.bestchoice.co.th
Tel. (076) 391 320-2 Fax. (076) 391 222



WATER ANALYSIS REPORT

Page 1/7

Customer/Code	Kin Services (Thailand) Company Limited/6K-076	Sampling Date ^[5]	June 21, 2024
Customer Address	28/35 Moo 4, Sakhu Subdistrict, Thalang District, Phuket 83110	Receiving Date	June 24, 2024
Sampling Source ^[5]	Wastewater Treatment Systems	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat (๖-250-๖-0003)	Report No.	PKT6706120

Sampling Name ^[5]	Effluent
Sampling Time ^[5]	10.20 AM
Analysis No.	25672293

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
1. pH at 25 °C	-	SM : 4500-H ⁺ B	6.8	5.0-9.0
2. Biochemical Oxygen Demand ^[4]	mg/L	SM : 5210 B	4.7	≤ 40
3. Total Suspended Solids	mg/L	SM : 2540 D	10.9	≤ 50
4. Total Dissolved Solids	mg/L	SM : 2540 C	102	≤ 500 ^[5]
5. Oil & Grease ^[4]	mg/L	SM : 5520 B	0.6	≤ 20
6. Sulfide ^[4]	mg/L	SM : 4500-S ²⁻ F	1.0	≤ 3.0
7. Total Kjeldahl Nitrogen ^[4]	mg/L	SM : 4500 N _{org} B	8.9	≤ 40

Physical Appearance Sample 25672293 : Clear liquid, colorless, no sediment Container : Normal PE 2.0 L,G 1.0 L

REMARK

[1] : Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF., 23rd Edition 2017

[2] : According to Ministerial Regulations No. 51 (1998) issued under the Building Control Act 1979 (Building Type C)

[3] : Outside the scope of certification for registration of private analytical laboratories No. ๖-250

[4] : Outside the scope of certification, TIS 17025-2561, test number 0548

[5] : Information received from customers

[6] : These values are in addition to the TDS of the water used.

Reported By : รติยา ขุนนัย
Miss. Rattiya Khunnaim (๖-250-๖-0005)

Approved By : สาอวพา นุกาอว
Miss. Saowapa Nukaew (๖-250-๖-0002)

Laboratory Analyst
๓/๗/๒๕

Laboratory Manager
๓/๗/๒๕



ACCREDITED LABORATORY GLP/DIW 2550

บริษัท เบสท์ ชอยส์ เคมีคัลส์ แอนด์ เอ็นจิเนียริง จำกัด
ห้องปฏิบัติการวิเคราะห์เอกชน
เลขทะเบียน ๖-250

FM-QP-13/01 Rev.01

The results of analysis are valid for the submitted sample only.

Date announced for October 26, 2021

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WATER ANALYSIS REPORT

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Customer Address	28/35 Moo 4, Sakhu Subdistrict, Thalang District, Phuket 83110	Receiving Date	June 24, 2024
Sampling Source ^[5]	Wastewater Treatment Systems	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat	Report No.	PKT6706120

Sampling Name ^[5]	Effluent
Sampling Time ^[5]	10.20 AM
Analysis No.	25672293

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
8. Settleable Solids ^{[3][4]}	ml/L	SM : 2540 F	Not Detected	< 0.5
9. Ammonia- Nitrogen ^{[3][4]}	mg/L	SM : 4500-NH ₃ C	7.2	≤ 25.0
10. Organic -Nitrogen ^{[3][4]}	mg/L	SM : 4500-NH ₃ C	1.7	≤ 15.0

Physical Appearance Sample 25672293 : Clear liquid, colorless, no sediment Container : Normal PE 1.0 L, PE 2.0 L, G 0.5 L

REMARK

[1] : Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF., 23rd Edition 2017

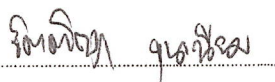
[2] : According to Ministerial Regulations No. 51 (1998) issued under the Building Control Act 1979 (Building Type C)

[3] : Outside the scope of certification for registration of private analytical laboratories No. 7-250

[4] : Outside the scope of certification, TIS 17025-2561, test number 0548

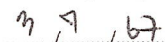
[5] : Information received from customers

Reported By :

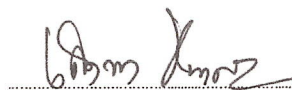


Miss. Rattiya Khunnaim

Laboratory Analyst



Approved By :



Miss. Saowapa Nukaew

Laboratory Manager



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ห้องปฏิบัติการวิเคราะห์เอกชน

FM-QP-13/01 Rev.01

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WATER ANALYSIS REPORT

Page 5/7

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Customer Address	28/35 Moo 4, Sakhu Subdistrict, Thalang District, Phuket 83110	Receiving Date	June 24, 2024
Sampling Source ^[5]	Storage Tank	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat (๖-250-๖-0003)	Report No.	PKT6706120

Sampling Name ^[5]	Water Supply
Sampling Time ^[5]	10.30 AM
Analysis No.	25672295

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
1. pH at 25°C	-	SM : 4500-H ⁺ B	7.2	6.5-8.5

Physical Appearance

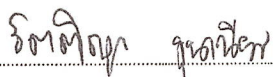
Sample 25672295 : Clear liquid, colorless, no sediment

Container Normal : PE 4.0 L,G 1.0 L

REMARK

- [1] : Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF., 23rd Edition 2017
[2] : Quality of Water Supply Authority. As recommended by the World Health Organization (WHO) in 2011.
[3] : Outside the scope of certification for registration of private analytical laboratories No. ๖-250
[4] : Outside the scope of certification, TIS 17025-2561, test number 0548
[5] : Information received from customers

Reported By :

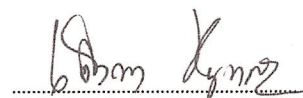


Miss. Rattiya Khunnaim (๖-250-๖-0005)

Laboratory Analyst

3, 9, 67

Approved By :



Miss. Saowapa Nukaew (๖-250-๖-0002)

Laboratory Manager

9, 7, 67

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ห้องปฏิบัติการวิเคราะห์คุณภาพ
เลขทะเบียน ๖-250

FM-QP-13/01 Rev.01

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WATER ANALYSIS REPORT

Page 6/7

Customer/Code	Kin Services (Thailand) Company Limited/6K-076	Sampling Date ^[5]	June 21, 2024
Customer Address	28/35 Moo 4, Sakhu Subdistrict, Thalang District, Phuket 83111	Receiving Date	June 24, 2024
Sampling Source ^[5]	Storage Tank	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat	Report No.	PKT6706120

Sampling Name ^[5]	Water Supply
Sampling Time ^[5]	10.30 AM
Analysis No.	25672295

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
2. Turbidity ^{[3][4]}	NTU	SM : 2130 B	1.7	≤ 4.0
3. Non - Carbonate Hardness ^{[3][4]}	mg/L as CaCO ₃	SM : 2330 A	111	-
4. Chloride ^{[3][4]}	mg/L	SM : 4500- Cl ⁻ B	60.7	≤ 250
5. Iron ^{[3][4]}	mg/L	SM : 3500-Fe B	Not Detected	≤ 0.3
6. Color ^{[3][4]}	Pt- Co Unit	SM : 2120 B	6.0	≤ 15
7. Manganese ^{[3][4]}	mg/L	SM : 3500-Mn B	Not Detected	≤ 0.3
8. Nitrate ^{[3][4]}	mg/L NO ₃ -N	SM : 4500-NO ₃ ⁻ E	Not Detected	≤ 50
9. Sulfate ^{[3][4]}	mg/L	SM : 4500-SO ₄ ²⁻ E	24.0	≤ 250
10. Fluoride ^{[3][4]}	mg/L F	SM : 4500-F ⁻ E	0.6	≤ 0.7
11. Coliform Bacteria ^{[3][4]}	MPN/100 mL	SM : 9221 B	< 1.8 ^[6]	Not Detected
12. Fecal Coliform Bacteria ^{[3][4]}	MPN/100 mL	SM : 9221 E	< 1.8 ^[6]	Not Detected

Physical Appearance Sample 25672295 : Clear liquid, colorless, no sediment Container Normal : PE 4.0 L, G 1.0 L

REMARK

[1] : Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF., 23rd Edition 2017

[2] : Water quality standards of the Waterworks. As recommended by the World Health Organization (WHO) in 2011.

[3] : Outside the scope of certification for registration of private analytical laboratories No. 3-250

[4] : Outside the scope of certification, TIS 17025-2561, test number 0548

[5] : Information received from customers

[6] : < 1.8 = Not Detected

Reported By :

Miss. Rattiya Khunnaim

Laboratory Analyst

3/9/62

Approved By :

Miss. Saowapa Nukaew

Laboratory Manager

3/9/62



ACCREDITED LABORATORY GLP/DIW 2550

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ผู้มีอำนาจลงนาม : ผู้จัดการ

FM-QP-13/01 Rev.01

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Date announced for October 26, 2021

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WATER ANALYSIS REPORT

Page 7/7

Customer/Code	Kin Services (Thailand) Company Limited/6K-076	Sampling Date ^[5]	June 21, 2024
Customer Address	28/35 Moo 4, Sakhu Subdistrict, Thalang District, Phuket 83110	Receiving Date	June 24, 2024
Sampling Source ^[5]	Storage Tank	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat	Report No.	PKT6706120

Sampling Name ^[5]	Water Supply
Sampling Time ^[5]	10.30 AM
Analysis No.	25672295

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
13. E.Coli ^{[3][4]}	MPN/100 mL	SM : 9221 F	Not Detected	Not Detected
14. Standard Plate Count ^{[3][4]}	CFU/mL	SM : 9222 B	Not Detected	-
15. Copper ^{[3][4]}	mg/L Cu	SM : 3111 B	Not Detected	≤ 2.0
16. Zinc ^{[3][4]}	mg/L Zn	SM : 3111 B	Not Detected	≤ 3.0
17. Total Solids ^{[3][4]}	mg/L	SM : 2540 C	176	-
18. Lead ^{[3][4][7]}	mg/L Pb	SM : 3111 B	0.0050	≤ 0.01
19. Cadmium ^{[3][4][6]}	mg/L Cd	SM : 3111 B	0.0003	≤ 0.003
20. Arsenic ^{[3][4][6]}	mg/L As	SM : 3114 C	Not Detected	≤ 0.01
21. Mercury ^{[3][4][6]}	mg/L Hg	SM : 3112 B	Not Detected	≤ 0.001
22. Selenium ^{[3][4][6]}	mg/L Se	SM : 3114 C	Not Detected	≤ 0.01
23. Cyanide ^{[3][4][6]}	mg/L CN ⁻	SM : 4500-CN- C & SM : 4500-CN- E	Not Detected	≤ 0.07

Physical Appearance Sample 25672295 : Clear liquid, colorless, no sediment Container Normal : PE 4.0 L, G 1.0 L

REMARK

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[2] : Water quality standards of the Waterworks. As recommended by the World Health Organization (WHO) in 2011.

[3] : Outside the scope of certification for registration of private analytical laboratories No. 7-250

[4] : Outside the scope of certification, TIS 17025-2561, test number 0548

[5] : Information received from customers

[7] : Analysis of subcontracting

Reported By :

Miss. Rattiya Khunnaim

Laboratory Analyst

2, 7, 17

Approved By :

Miss. Saowapa Nukaew

Laboratory Manager

0, 7, 17



ACCREDITED LABORATORY GLP/DIW 2550

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NSC-TISI-TIS 17025
TESTING 0548

WATER ANALYSIS REPORT

Page 3/7

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Sampling Source ^[5]	Storage Tank	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat (๖-250-๖-0003)	Report No.	PKT6706120

Sampling Name ^[5]	Raw Water
Sampling Time ^[5]	10.28 AM
Analysis No.	25672294

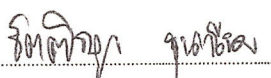
Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
1. pH at 25°C	-	SM : 4500-H ⁺ B	6.7	6.5-8.5
2. Total Dissolved Solids	mg/L	SM : 2540 C	168	≤ 600

Physical Appearance Sample 25672294 : Clear liquid, colorless, no sediment Container Normal : PE 500 mL

REMARK

- [1] : Standard Methods for The Examination of Water and Wastewater, APHA, AWWA, WEF., 23rd Edition 2017
[2] : Quality of Water Supply Authority. As recommended by the World Health Organization (WHO) in 2011.
[3] : Outside the scope of certification for registration of private analytical laboratories No. ๖-250
[4] : Outside the scope of certification, TIS 17025-2561, test number 0548
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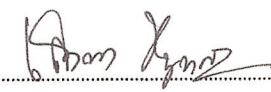
Reported By :


Miss. Rattiya Khunnaim (๖-250-๖-0005)

Laboratory Analyst

๗, ๗, ๖๗

Aproved By :


Miss. Saowapa Nukaew (๖-250-๖-0002)

Laboratory Manager

๖, ๗, ๖๗



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เลขทะเบียน ๖-250

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WATER ANALYSIS REPORT

Page 4/7

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Sampling Source ^[5]	Storage Tank	Analyzed Date	June 24 - July 3, 2024
Sampling Method ^[5]	Grab Sample	Report Date	July 3, 2024
Sampling By ^[5]	Miss. Yonlatda Thaneerat	Report No.	PKT6706120

Sampling Name ^[5]	Raw Water
Sampling Time ^[5]	10.28 AM
Analysis No.	25672294

Parameter	Unit	Method of Analysis ^[1]	Result	Standard ^[2]
3. Turbidity ^{[3][4]}	NTU	SM : 2130 B	0.5	≤ 4.0
4. Total Hardness ^{[3][4]}	mg/L as CaCO ₃	SM : 2340 C	144	≤ 300
5. Non - Carbonate Hardness ^{[3][4]}	mg/L as CaCO ₃	SM : 2330 A	132	-
6. Chloride ^{[3][4]}	mg/L	SM : 4500-Cl ⁻ B	87.4	≤ 250
7. Iron ^{[3][4]}	mg/L	SM : 3500-Fe B	Not Detected	≤ 0.3
8. Color ^{[3][4]}	Pt- Co Unit	SM : 2120 B	2.0	≤ 15
9. Manganese ^{[3][4]}	mg/L	SM : 3500-Mn B	Not Detected	≤ 0.3
10. Nitrate ^{[3][4]}	mg/L NO ₃ -N	SM : 4500-NO ₃ ⁻ E	Not Detected	≤ 50
11. Sulfate ^{[3][4]}	mg/L	SM : 4500-SO ₄ ²⁻ E	19.0	≤ 250
12. Fluoride ^{[3][4]}	mg/L F	SM : 4500-F ⁻ E	Not Detected	≤ 0.7

Physical Appearance Sample 25672294 : Clear liquid, colorless, no sediment Container Normal : PE 500 mL

REMARK

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[2] : Quality of Water Supply Authority. As recommended by the World Health Organization (WHO) in 2011.

[3] : Outside the scope of certification for registration of private analytical laboratories No. 7-250

[4] : Outside the scope of certification, TIS 17025-2561, test number 0548

[5] : Information received from customers

Reported By :

Miss. Rattiya Khunnaim

Laboratory Analyst

14/7/67

Approved By :

Miss. Saowapa Nukaew

Laboratory Manager

9/7/67

ACCREDITED LABORATORY GLP/DIW 2550



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