



C E LAB & CONSULTING CO., LTD.

245 หมู่ที่ 4 ตำบลหนองไทร อำเภอด่านขุนทด จังหวัดนครราชสีมา 36220

245 M. 4 T. Nongsai A. DanKhunThod, Nakorn Ratchasima 36220 THAILAND

TEL. +66 4484 2955 FAX. +66 4484 2955 E-mail : celab@outlook.com

TEST REPORT

Report No. : EN0013/24

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ่อนหนองแดงด้านเหนือ

Sampling Date : 28/02/2024 Time : 10:42

Sampling By : MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024 Time : 16:10

Sampling Method : Grab

Tested Date : 28/02/2024-08/03/2024

Sample No. : EN0147/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Alkalinity (as CaCO ₃)	mg/L	SM., Part 2320 B.	572
2. Arsenic (As)	mg/L	SM., Part 3120 B.	N.D.
3. Chloride (Cl ⁻)	mg/L	SM., Part 4500-Cl- B.	59
4. Electrical Conductivity (EC _{1:5})	mS/cm	SM., Part 2510 B.	1.84
5. Iron (Fe)	mg/L	SM., Part 3120 B.	0.274
6. Magnesium (Mg)	mg/L	SM., Part 3120 B.	55.72
7. pH Value at 25 °C	-	SM., Part 4500-H+ B.	7.5
8. Potassium (K)	mg/L	SM., Part 3120 B.	14.24
9. Salinity	PPT	SM., Part 2520 B.	0.99
10. Sodium (Na)	mg/L	SM., Part 3120 B.	265
11. Sulphate (SO ₄ ²⁻)	mg/L	SM., Part 4500-SO42- E.	234
12. Total Hardness (as CaCO ₃)	mg/L	SM., Part 2340 C.	701
13. Total Dissolved Solids (TDS)	mg/L	SM., Part 2540 C.	1,037
14. Total Solide Dried (TS)	mg/L	SM., Part 2540 B.	1,047
15. Total Suspended Solids (TSS)	mg/L	SM., Part 2540 D.	10
16. Water Level	Metre	Field Measurement	-
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

- Do not copy partial of this analysis report without official approval

^{1/} SM. = Standard Methods for the Examination of Water and Wastewater 24th Edition (2017)

^{2/} N.D. = Lower than Limit of Detection (LOD), LOD of Arsenic (As) = 0.010 mg/L



Approved by

Montri Prommetta
MR. MONTRI PROMMETTA

Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



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TEST REPORT

Report No. : EN0013/24

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ่อนหนองแดงด้านใต้

Sampling Date : 28/02/2024 Time : 11:08

Sampling By : MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024 Time : 16:10

Sampling Method : Grab

Tested Date : 28/02/2024-08/03/2024

Sample No. : EN0148/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Alkalinity (as CaCO ₃)	mg/L	SM., Part 2320 B.	448
2. Arsenic (As)	mg/L	SM., Part 3120 B.	N.D.
3. Chloride (Cl ⁻)	mg/L	SM., Part 4500-Cl- B.	572
4. Electrical Conductivity (EC _{1,3})	mS/cm	SM., Part 2510 B.	0.37
5. Iron (Fe)	mg/L	SM., Part 3120 B.	0.719
6. Magnesium (Mg)	mg/L	SM., Part 3120 B.	18.59
7. pH Value at 25 °C	-	SM., Part 4500-H+ B.	7.7
8. Potassium (K)	mg/L	SM., Part 3120 B.	5.016
9. Salinity	PPT	SM., Part 2520 B.	0.20
10. Sodium (Na)	mg/L	SM., Part 3120 B.	75.43
11. Sulphate (SO ₄ ²⁻)	mg/L	SM., Part 4500-SO42- E.	134
12. Total Hardness (as CaCO ₃)	mg/L	SM., Part 2340 C.	420
13. Total Dissolved Solids (TDS)	mg/L	SM., Part 2540 C.	409
14. Total Solide Dried (TS)	mg/L	SM., Part 2540 B.	549
15. Total Suspended Solids (TSS)	mg/L	SM., Part 2540 D.	140
16. Water Level	Metre	Field Measurement	4.75
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{1/} SM. = Standard Methods for the Examination of Water and Wastewater 24th Edition (2017)

^{2/} N.D. = Lower than Limit of Detection (LOD), LOD of Arsenic (As) = 0.010 mg/L

Approved by 
MONTRI PROMMETTA
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



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TEST REPORT

Report No. : EN0013/24

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ้านโลกน้อย

Sampling Date : 28/02/2024 Time : 13:05

Sampling By : MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024 Time : 16:10

Sampling Method : Grab

Tested Date : 28/02/2024-08/03/2024

Sample No. : EN0149/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Alkalinity (as CaCO ₃)	mg/L	SM., Part 2320 B.	288
2. Arsenic (As)	mg/L	SM., Part 3120 B.	N.D.
3. Chloride (Cl ⁻)	mg/L	SM., Part 4500-Cl- B.	9,444
4. Electrical Conductivity (EC _{1:5})	mS/cm	SM., Part 2510 B.	14.52
5. Iron (Fe)	mg/L	SM., Part 3120 B.	1,809
6. Magnesium (Mg)	mg/L	SM., Part 3120 B.	404
7. pH Value at 25 °C	-	SM., Part 4500-H+ B.	7.5
8. Potassium (K)	mg/L	SM., Part 3120 B.	49.65
9. Salinity	PPT	SM., Part 2520 B.	7.79
10. Sodium (Na)	mg/L	SM., Part 3120 B.	4,383
11. Sulphate (SO ₄ ²⁻)	mg/L	SM., Part 4500-SO42- E.	138
12. Total Hardness (as CaCO ₃)	mg/L	SM., Part 2340 C.	4,104
13. Total Dissolved Solids (TDS)	mg/L	SM., Part 2540 C.	12,950
14. Total Solide Dried (TS)	mg/L	SM., Part 2540 B.	12,990
15. Total Suspended Solids (TSS)	mg/L	SM., Part 2540 D.	40
16. Water Level	Metre	Field Measurement	1.49
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{1/} SM. = Standard Methods for the Examination of Water and Wastewater 24th Edition (2017)

^{2/} N.D. = Lower than Limit of Detection (LOD), LOD of Arsenic (As) = 0.010 mg/L

Approved by 
MONTRI PROMMETTA
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



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TEST REPORT

Report No. : EN0013/24

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ่อน้ำหัวพันบ

Sampling Date : 28/02/2024 Time : 11:25

Sampling By : MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024 Time : 16:10

Sampling Method : Grab

Tested Date : 28/02/2024-08/03/2024

Sample No. : EN0150/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Alkalinity (as CaCO ₃)	mg/L	SM., Part 2320 B.	124
2. Arsenic (As)	mg/L	SM., Part 3120 B.	N.D.
3. Chloride (Cl ⁻)	mg/L	SM., Part 4500-Cl- B.	2,196
4. Electrical Conductivity (EC _{1:3})	mS/cm	SM., Part 2510 B.	4.51
5. Iron (Fe)	mg/L	SM., Part 3120 B.	5.005
6. Magnesium (Mg)	mg/L	SM., Part 3120 B.	173
7. pH Value at 25 °C	-	SM., Part 4500-H+ B.	8.0
8. Potassium (K)	mg/L	SM., Part 3120 B.	30.58
9. Salinity	PPT	SM., Part 2520 B.	2.42
10. Sodium (Na)	mg/L	SM., Part 3120 B.	578
11. Sulphate (SO ₄ ²⁻)	mg/L	SM., Part 4500-SO42- E.	1,424
12. Total Hardness (as CaCO ₃)	mg/L	SM., Part 2340 C.	2,182
13. Total Dissolved Solids (TDS)	mg/L	SM., Part 2540 C.	4,200
14. Total Solide Dried (TS)	mg/L	SM., Part 2540 B.	4,205
15. Total Suspended Solids (TSS)	mg/L	SM., Part 2540 D.	<10
16. Water Level	Metre	Field Measurement	-
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD), LOD of Arsenic (As) = 0.010 mg/L

Approved by 
MONTRI PROMMETTA
Technical Manager
- 8 MAR 2024

===== END OF REPORT =====



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TEST REPORT

Report No. : EN0013/24

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ้านหัวนา

Sampling Date : 28/02/2024 Time : 14:28

Sampling By : MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024 Time : 16:10

Sampling Method : Grab

Tested Date : 28/02/2024-08/03/2024

Sample No. : EN0151/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Alkalinity (as CaCO ₃)	mg/L	SM., Part 2320 B.	250
2. Arsenic (As)	mg/L	SM., Part 3120 B.	N.D.
3. Chloride (Cl ⁻)	mg/L	SM., Part 4500-Cl- B.	2,121
4. Electrical Conductivity (EC _{1:5})	mS/cm	SM., Part 2510 B.	3.29
5. Iron (Fe)	mg/L	SM., Part 3120 B.	0.907
6. Magnesium (Mg)	mg/L	SM., Part 3120 B.	99.82
7. pH Value at 25 °C	-	SM., Part 4500-H+ B.	7.7
8. Potassium (K)	mg/L	SM., Part 3120 B.	15.57
9. Salinity	PPT	SM., Part 2520 B.	1.77
10. Sodium (Na)	mg/L	SM., Part 3120 B.	463
11. Sulphate (SO ₄ ²⁻)	mg/L	SM., Part 4500-SO42- E.	146
12. Total Hardness (as CaCO ₃)	mg/L	SM., Part 2340 C.	2,002
13. Total Dissolved Solids (TDS)	mg/L	SM., Part 2540 C.	3,515
14. Total Solide Dried (TS)	mg/L	SM., Part 2540 B.	3,518
15. Total Suspended Solids (TSS)	mg/L	SM., Part 2540 D.	<10
16. Water Level	Metre	Field Measurement	2.67
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD), LOD of Arsenic (As) = 0.010 mg/L

Approved by 

MR. CHONTRI PROMMETTA
Technical Manager
- 8 MAR 2024

===== END OF REPORT =====



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TEL. +66 4484 2955 FAX. +66 4484 2955 E-mail : cclab@outlook.com

TEST REPORT

Report No. : EN0013/24 (add-1)

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ้านหนองแดงด้านเหนือ

Sampling Date : 28/02/2024

Time : 10:42

Sampling By

: MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024

Time : 16:10

Sampling Method

: Grab

Tested Date : 08/03/2024

Sample No.

: EN0147/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Cadmium (Cd)	mg/L	SM., Part 3120 B.	N.D.
2. Chromium (Cr)	mg/L	SM., Part 3120 B.	0.016
3. Lead (Pb)	mg/L	SM., Part 3120 B.	0.010
4. Manganese (Mn)	mg/L	SM., Part 3120 B.	N.D.
5. Nickel (Ni)	mg/L	SM., Part 3120 B.	0.012
6. Mercury (Hg)	mg/L	SM., Part 3120 B.	N.D.
7. Selenium (Se)	mg/L	SM., Part 3120 B.	0.086
8. Zinc (Zn)	mg/L	SM., Part 3120 B.	0.022
9. Silver (Ag)	mg/L	SM., Part 3120 B.	N.D.
10. Barium (Ba)	mg/L	SM., Part 3120 B.	0.265
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD). (LOD of Cadmium (Cd) = 0.0005 mg/L, Manganese (Mn) = 0.0005 mg/L, Mercury (Hg) = 0.005 mg/L, Silver (Ag) = 0.015 mg/L)

Approved by 
(MONTRI PROMMETTA)
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



C E LAB & CONSULTING CO., LTD.

245 หมู่ที่ 4 ตำบลหนองโพธิ์ อำเภอด่านขุนทด จังหวัดนครราชสีมา 36220

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TEST REPORT

Report No. : EN0013/24 (add-1)

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บำบัดน้ำทิ้งจากโรงงาน

Sampling Date : 28/02/2024

Time : 11:08

Sampling By

: MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024

Time : 16:10

Sampling Method

: Grab

Tested Date : 08/03/2024

Sample No.

: EN0148/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Cadmium (Cd)	mg/L	SM., Part 3120 B.	N.D.
2. Chromium (Cr)	mg/L	SM., Part 3120 B.	0.016
3. Lead (Pb)	mg/L	SM., Part 3120 B.	0.010
4. Manganese (Mn)	mg/L	SM., Part 3120 B.	0.035
5. Nickel (Ni)	mg/L	SM., Part 3120 B.	0.013
6. Mercury (Hg)	mg/L	SM., Part 3120 B.	N.D.
7. Selenium (Se)	mg/L	SM., Part 3120 B.	N.D.
8. Zinc (Zn)	mg/L	SM., Part 3120 B.	0.013
9. Silver (Ag)	mg/L	SM., Part 3120 B.	N.D.
10. Barium (Ba)	mg/L	SM., Part 3120 B.	0.191
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD), (LOD of Cadmium (Cd) = 0.0005 mg/L, Selenium (Se) = 0.005 mg/L, Mercury (Hg) = 0.005 mg/L, Silver (Ag) = 0.015 mg/L)

Approved: 
S.M. PROMMETTA
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



C E LAB & CONSULTING CO., LTD.

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TEST REPORT

Report No. : EN0013/24 (add-1)

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ้ำนโคกน้อย

Sampling Date : 28/02/2024

Time : 13:05

Sampling By

: MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024

Time : 16:10

Sampling Method

: Grab

Tested Date : 08/03/2024

Sample No.

: EN0149/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Cadmium (Cd)	mg/L	SM., Part 3120 B.	N.D.
2. Chromium (Cr)	mg/L	SM., Part 3120 B.	0.075
3. Lead (Pb)	mg/L	SM., Part 3120 B.	N.D.
4. Manganese (Mn)	mg/L	SM., Part 3120 B.	0.430
5. Nickel (Ni)	mg/L	SM., Part 3120 B.	N.D.
6. Mercury (Hg)	mg/L	SM., Part 3120 B.	N.D.
7. Selenium (Se)	mg/L	SM., Part 3120 B.	N.D.
8. Zinc (Zn)	mg/L	SM., Part 3120 B.	0.726
9. Silver (Ag)	mg/L	SM., Part 3120 B.	N.D.
10. Barium (Ba)	mg/L	SM., Part 3120 B.	16.46
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD), (LOD of Cadmium (Cd) = 0.0005 mg/L, Lead (Pb) = 0.005 mg/L, Mercury (Hg) = 0.005 mg/L, Nickel (Ni) = 0.0005 mg/L, Selenium (Se) = 0.005 mg/L, Silver (Ag) = 0.015 mg/L.)

Approved by 
(PROMMETTA)
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



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TEST REPORT

Report No. : EN0013/24 (add-1)

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon rachasima 36220

Sample Type : Underground Water

Sample Name : บ่อนหัวท้านบ

Sampling Date : 28/02/2024

Time : 11:25

Sampling By

: MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024

Time : 16:10

Sampling Method

: Grab

Tested Date : 08/03/2024

Sample No.

: EN0150/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Cadmium (Cd)	mg/L	SM., Part 3120 B.	N.D.
2. Chromium (Cr)	mg/L	SM., Part 3120 B.	N.D.
3. Lead (Pb)	mg/L	SM., Part 3120 B.	0.536
4. Manganese (Mn)	mg/L	SM., Part 3120 B.	0.066
5. Nickel (Ni)	mg/L	SM., Part 3120 B.	N.D.
6. Mercury (Hg)	mg/L	SM., Part 3120 B.	N.D.
7. Selenium (Se)	mg/L	SM., Part 3120 B.	N.D.
8. Zinc (Zn)	mg/L	SM., Part 3120 B.	0.271
9. Silver (Ag)	mg/L	SM., Part 3120 B.	N.D.
10. Barium (Ba)	mg/L	SM., Part 3120 B.	1.699
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

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^{2/} N.D. = Lower than Limit of Detection (LOD), (LOD of Cadmium (Cd) = 0.0005 mg/L, Chromium (Cr) = 0.0005 mg/L, Mercury (Hg) = 0.005 mg/L, Nickel (Ni) = 0.0005 mg/L, Selenium (Se) = 0.005 mg/L, Silver (Ag) = 0.015 mg/L)

Approved by 
(CHAMRUI PROMMETTA)
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====



C E LAB & CONSULTING CO., LTD.

245 หมู่ที่ 4 ตำบลหนองไทร อำเภอด่านขุนทด จังหวัดนครราชสีมา 36220

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TEST REPORT

Report No. : EN0013/24 (add-1)

Report Date : 08/03/2024

Customer Name : THAI KALI CO., LTD.

Address : 333 Moo 4, Nong sai sub-district, Dan khun thod district, Nakhon ratchasima 36220

Sample Type : Underground Water

Sample Name : บ้ำนหัวนา

Sampling Date : 28/02/2024

Time : 14:28

Sampling By

: MISS SUPATTRA RATTACHOO

Received Date : 28/02/2024

Time : 16:10

Sampling Method

: Grab

Tested Date : 08/03/2024

Sample No.

: EN0151/24

Parameter	Unit	Test Method ^{1/}	Results ^{2/}
1. Cadmium (Cd)	mg/L	SM., Part 3120 B.	N.D.
2. Chromium (Cr)	mg/L	SM., Part 3120 B.	0.016
3. Lead (Pb)	mg/L	SM., Part 3120 B.	0.399
4. Manganese (Mn)	mg/L	SM., Part 3120 B.	0.156
5. Nickel (Ni)	mg/L	SM., Part 3120 B.	N.D.
6. Mercury (Hg)	mg/L	SM., Part 3120 B.	N.D.
7. Selenium (Se)	mg/L	SM., Part 3120 B.	N.D.
8. Zinc (Zn)	mg/L	SM., Part 3120 B.	0.193
9. Silver (Ag)	mg/L	SM., Part 3120 B.	N.D.
10. Barium (Ba)	mg/L	SM., Part 3120 B.	1.790
Sample Observation		Clear Solution	

Remarks : - Reported analysis refers to submitted sample only

- Do not copy partial of this analysis report without official approval

^{1/} SM. = Standard Methods for the Examination of Water and Wastewater 24th Edition (2017)

^{2/} N.D. = Lower than Limit of Detection (LOD), (LOD of Cadmium (Cd) = 0.0005 mg/L, Mercury (Hg) = 0.005 mg/L, Nickel (Ni) = 0.0005 mg/L, Selenium (Se) = 0.005 mg/L, Silver (Ag) = 0.015 mg/L.)

Approved by 
(MONTRI PROMMETTA)
Technical Manager

- 8 MAR 2024

===== END OF REPORT =====