

เอกสารแนบ 4-4

ใบรายงานผลการตรวจวัดความเร็วและทิศทางการไหล

ระหว่างเดือนกรกฎาคม-ธันวาคม 2567



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetrika Measurement Date : 18-25/10/24  
Report No. : A-671018 Report Date : 31/10/24

Area: วัดบ้านฆ้องน้อย (18-19/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	2.800	N
13:00-14:00	2.400	N
14:00-15:00	3.300	NNW
15:00-16:00	3.300	NNW
16:00-17:00	3.700	NW
17:00-18:00	2.800	NW
18:00-19:00	1.000	NW
19:00-20:00	1.000	WNW
20:00-21:00	1.000	NW
21:00-22:00	1.500	NNW
22:00-23:00	1.000	NNW
23:00-00:00	1.000	NNW

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	1.000	NW
01:00-02:00	1.500	NW
02:00-03:00	1.000	WNW
03:00-04:00	1.000	WNW
04:00-05:00	1.500	WNW
05:00-06:00	1.500	WNW
06:00-07:00	2.400	NW
07:00-08:00	1.900	NW
08:00-09:00	2.400	NW
09:00-10:00	2.400	NNW
10:00-11:00	2.800	NNW
11:00-12:00	3.300	NNW

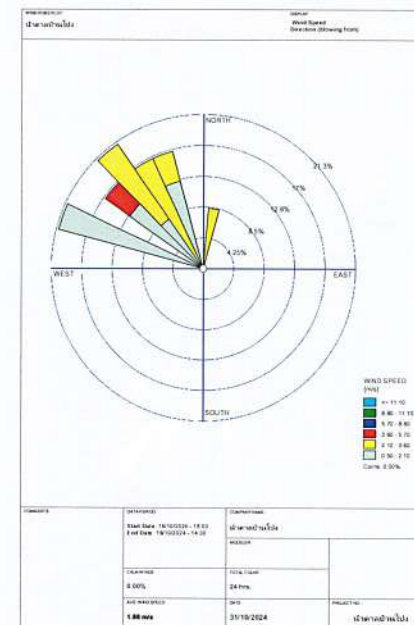


บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetrika Measurement Date : 18-25/10/24  
Report No. : A-671018 Report Date : 31/10/24



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แขวง 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetraka  
Report No. : A-671018

Measurement Date : 18-25/10/24

Report Date : 31/10/24

Area: วัดบ้านเจียงน้อย (19-20/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	3.100	NW
13:00-14:00	3.500	NNW
14:00-15:00	3.100	NNW
15:00-16:00	2.200	NNW
16:00-17:00	2.200	NNW
17:00-18:00	2.600	NW
18:00-19:00	3.100	NW
19:00-20:00	2.600	N
20:00-21:00	1.700	N
21:00-22:00	1.300	N
22:00-23:00	0.800	N
23:00-00:00	1.300	NW

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	1.700	NW
01:00-02:00	1.700	NW
02:00-03:00	2.200	NW
03:00-04:00	2.200	WNW
04:00-05:00	0.800	WNW
05:00-06:00	1.700	WNW
06:00-07:00	1.700	NW
07:00-08:00	1.700	NW
08:00-09:00	2.600	NW
09:00-10:00	2.600	NNW
10:00-11:00	2.600	NW
11:00-12:00	3.100	WNW



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

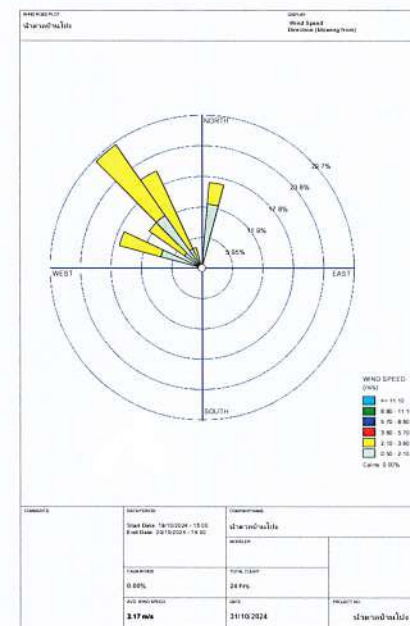
8 ซอยสตรีวิทยา 2 (ซอย 10 แขวง 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetraka  
Report No. : A-671018

Measurement Date : 18-25/10/24

Report Date : 31/10/24



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 เขต 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetraka  
Report No. : A-671018

Measurement Date : 18-25/10/24  
Report Date : 31/10/24

Area: วัดบ้านหนองน้อย (20-21/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	3.400	NW
13:00-14:00	2.900	NW
14:00-15:00	2.000	NW
15:00-16:00	3.400	NNW
16:00-17:00	3.400	NNW
17:00-18:00	3.400	NNW
18:00-19:00	2.000	N
19:00-20:00	2.500	NNW
20:00-21:00	2.000	NNW
21:00-22:00	1.600	NNW
22:00-23:00	1.600	NW
23:00-00:00	1.100	NW

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	1.100	NW
01:00-02:00	1.100	NNW
02:00-03:00	1.100	W
03:00-04:00	1.600	W
04:00-05:00	2.500	SW
05:00-06:00	2.500	WSW
06:00-07:00	2.500	WSW
07:00-08:00	2.000	W
08:00-09:00	2.500	W
09:00-10:00	2.900	WSW
10:00-11:00	2.100	WSW
11:00-12:00	2.500	NW



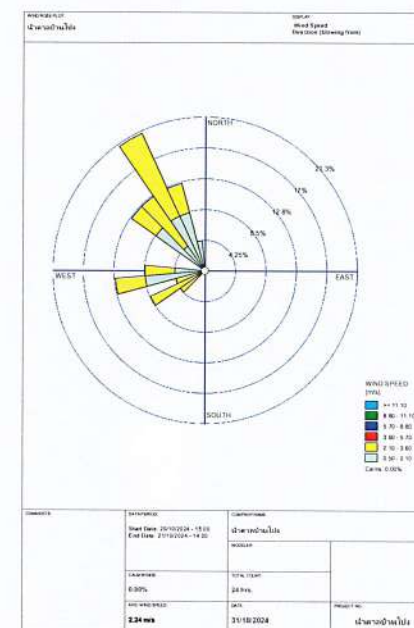
บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 เขต 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Measurement Type: Wind Speed  
Measured By : Supanat Kasetraka  
Report No. : A-671018

Measurement Date : 18-25/10/24  
Report Date : 31/10/24



(Mr. Pichai Larasingh)  
Reviewer

(Mr. Tawee Sitthilutrakul)  
Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

(Mr. Pichai Larasingh)  
Reviewer

(Mr. Tawee Sitthilutrakul)  
Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24

Area: วัดบ้านเจ็ญน้อย (21-22/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	3.100	NW
13:00-14:00	2.600	NW
14:00-15:00	2.200	NNW
15:00-16:00	2.600	NNW
16:00-17:00	2.600	NW
17:00-18:00	3.100	NW
18:00-19:00	2.200	NNW
19:00-20:00	1.700	N
20:00-21:00	1.700	NNW
21:00-22:00	2.600	NW
22:00-23:00	3.100	NW
23:00-00:00	1.300	N

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	1.300	NW
01:00-02:00	1.300	NW
02:00-03:00	0.800	NNW
03:00-04:00	1.700	NNW
04:00-05:00	0.800	NW
05:00-06:00	0.800	NNW
06:00-07:00	0.800	NNW
07:00-08:00	1.300	NNW
08:00-09:00	1.300	NW
09:00-10:00	1.700	NNW
10:00-11:00	2.200	NNW
11:00-12:00	2.600	WNW



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

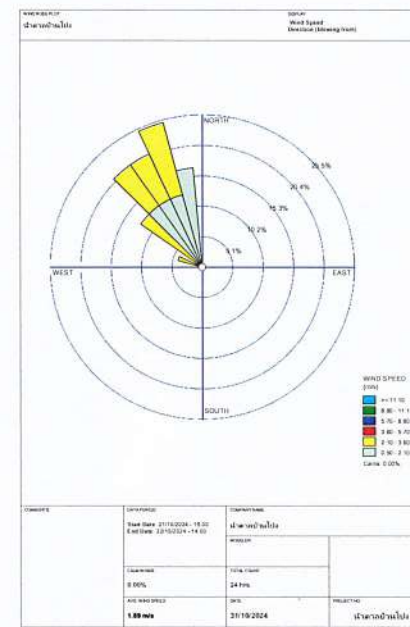
Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

(Mr. Pichai Larsing)

Reviewer

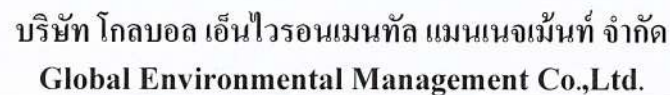
(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงจตุรดาภิเษก กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sriwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

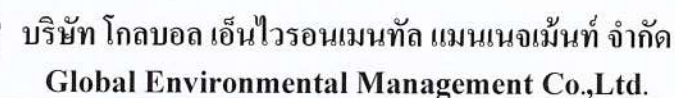
## ANALYSIS REPORT

Customer name	: Banpong Sugar Co., Ltd.
Address	: 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110
Measurement Type	: Wind Speed
Measured By	: Supanat Kasatrika
Report No.	: A-671018

Area: วัดบ้านหนองน้อย (22-23/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	3.100	NW
13:00-14:00	3.100	NW
14:00-15:00	3.600	NW
15:00-16:00	2.200	NW
16:00-17:00	2.700	NW
17:00-18:00	2.700	NNW
18:00-19:00	2.200	NNW
19:00-20:00	1.800	NNW
20:00-21:00	1.800	NNW
21:00-22:00	0.900	NNW
22:00-23:00	0.400	NW
23:00-00:00	0.400	NW

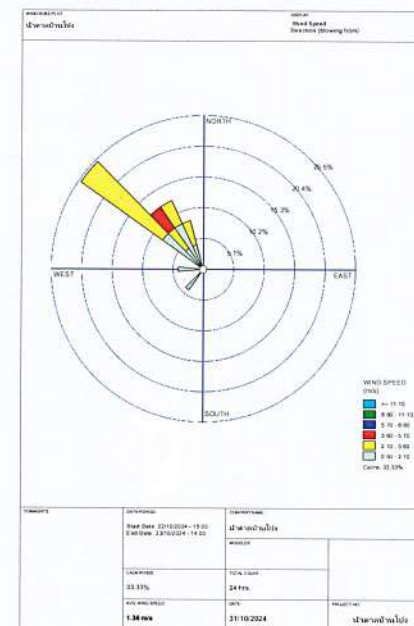
ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	0.400	W
01:00-02:00	0.900	W
02:00-03:00	0.400	W
03:00-04:00	0.400	W
04:00-05:00	0.400	WSW
05:00-06:00	0.900	NW
06:00-07:00	0.400	NW
07:00-08:00	0.900	NW
08:00-09:00	0.900	SW
09:00-10:00	0.400	NW
10:00-11:00	1.800	NW
11:00-12:00	3.100	NW



8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงเขตคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sriwitayata 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel 02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

## ANALYSIS REPORT

Customer name	: Banpong Sugar Co., Ltd.		
Address	: 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110		
Measurement Type:	Wind Speed		
Measured By	: Supanat Kasatrika	Measurement Date	: 18-25/10/24
Report No.	: A-671018	Report Date	: 31/10/24



Reviewer

(Mr. Tawee Sitthilutrakul )

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



**Reviewer**

( Mr. Tawee Sitthilutrakul )

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวง/เขตลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24

Area: วัดบ้านเจียงน้อย (23-24/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	3.100	NNW
13:00-14:00	1.700	NNW
14:00-15:00	1.300	NNW
15:00-16:00	3.100	NW
16:00-17:00	3.100	NNW
17:00-18:00	3.100	NNW
18:00-19:00	3.100	NW
19:00-20:00	2.600	NNE
20:00-21:00	2.600	NW
21:00-22:00	1.300	NNE
22:00-23:00	2.200	NNW
23:00-00:00	1.700	NNE

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	1.300	NNE
01:00-02:00	1.700	NW
02:00-03:00	1.700	NW
03:00-04:00	0.800	NW
04:00-05:00	1.300	NNW
05:00-06:00	1.700	NNW
06:00-07:00	1.700	NW
07:00-08:00	2.600	NW
08:00-09:00	1.700	NNW
09:00-10:00	1.300	NNW
10:00-11:00	1.700	NNW
11:00-12:00	2.600	NW



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวง/เขตลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

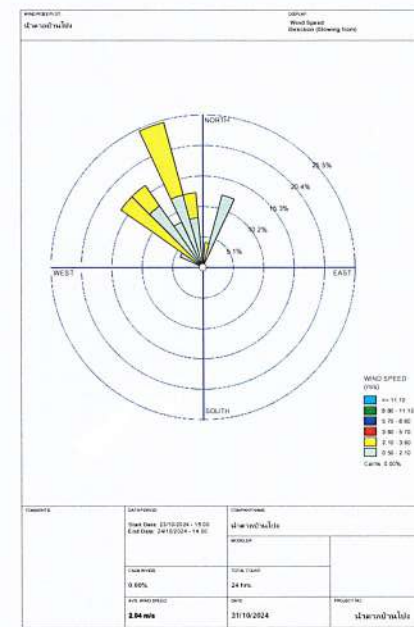
Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24

Area: วัดบ้านซ่งน้อย (24-25/10/24)

ช่วงเวลา	Velocity (m/s)	Direction
12:00-13:00	2.700	NNW
13:00-14:00	3.100	NNW
14:00-15:00	3.100	NNW
15:00-16:00	3.100	NNW
16:00-17:00	3.100	NNW
17:00-18:00	3.100	NNW
18:00-19:00	2.700	NNW
19:00-20:00	1.800	NW
20:00-21:00	0.900	NW
21:00-22:00	1.300	NNW
22:00-23:00	1.300	NNW
23:00-00:00	0.400	NW

ช่วงเวลา	Velocity (m/s)	Direction
00:00-01:00	0.400	NW
01:00-02:00	0.900	NW
02:00-03:00	1.300	W
03:00-04:00	1.300	W
04:00-05:00	1.300	W
05:00-06:00	0.900	W
06:00-07:00	1.300	NW
07:00-08:00	0.900	NW
08:00-09:00	0.900	NNW
09:00-10:00	2.200	NW
10:00-11:00	2.700	NW
11:00-12:00	2.700	NW



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.

Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

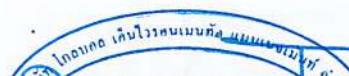
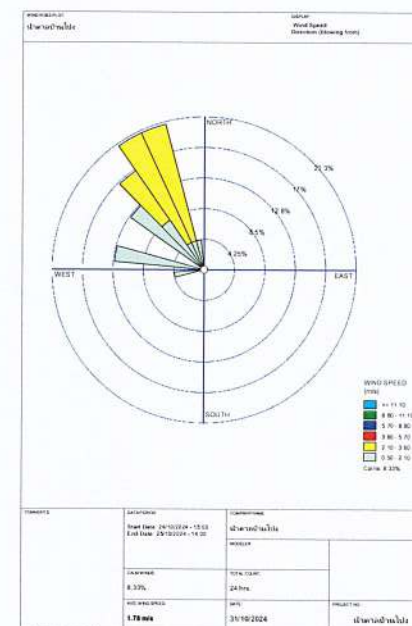
Measurement Type: Wind Speed

Measured By : Supanat Kasetrika

Measurement Date : 18-25/10/24

Report No. : A-671018

Report Date : 31/10/24



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



เอกสารแนบ 4-5

ใบรายงานผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน

ระหว่างเดือนกรกฎาคม-ธันวาคม 2567



## ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Surface water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Supanat Kasetrika Sampling Date<sup>(1)</sup> : 24/10/24  
Report No. : WW-671018 Received Date : 24/10/24  
Analytical Date : 24/10/24-07/11/24 Report Date : 07/11/24

Sampling point: Surface water<sup>(1)</sup>

Item	Parameter	Unit	Method	Result			Standard <sup>(2)</sup>
				Station 1 (WW-671018/9)	Station 2 (WW-671018/10)	Station 3 (WW-671018/11)	
1	Temperature*	°C	SMWW2023 (2550 B)	29.0	29.0	28.0	๗**
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.2	7.3	7.2	5.0-9.0
3	DO*	mg/L	Membrane electrode method	1.3	1.4	1.4	≥4.0
4	BOD*	mg/L	SMWW 2023 (5210 B)	13.2	12.9	13.3	≤2.0
5	Nitrate-nitrogen*	mg/L	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	0.12	0.09	0.10	≤5.0
6	Phosphate (PO <sub>4</sub> <sup>3-</sup> )*	mg/L	Stannous Chloride	1.34	1.18	2.99	-
7	Ammonia-Nitrogen*	mg/L	Distillation Titrimetric	0.03	0.01	0.02	≤0.5
8	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	0.15	0.09	1.07	-
9	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	665.0	590.8	613.5	-
10	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	358	298	322	-
11	Sodium*	mg/L	SMWW 2023 (3111 B)	2.73	2.35	18.53	-
12	Arsenic*	mg/L	SMWW 2023 (3114 C)	0.0050	0.0043	0.0067	≤0.01
Sample Condition				เขียว มีตะกอน เล็กน้อย	เขียว มีตะกอน	เขียวใส มีตะกอน เล็กน้อย	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Announcement of the National Environment Board No. 8 (1994) issued in accordance with the National Environmental Quality Promotion and Preservation Act of 1992 regarding the determination of water quality in surface water sources (Type 3)

: \* This parameter is not in scope ISO/IEC 17025 accredited

: \*\* คุณภาพไม่สูงกว่าคุณภาพมาตรฐานชนิดเกิน 3 องศาเซลเซียส

: Information about sampling is not in scope accredited

: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

: Station 1 = บริเวณทางน้ำสาธารณะก่อนถึงบ่อน้ำดิบน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร  
: Station 2 = บริเวณทางน้ำสาธารณะใกล้ถึงบ่อน้ำดิบน้ำเสีย (เดิม) ของโครงการ  
: Station 3 = บริเวณทางน้ำสาธารณะหลังบ่อน้ำดิบน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร

(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

-----End of Report-----

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



เอกสารแนบ 4-6

ใบรายงานผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง  
ระหว่างเดือนกรกฎาคม-ธันวาคม 2567



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 23/07/24  
Report No. : WW-670718 Received Date : 23/07/24  
Analytical Date : 23/07/24-05/08/24 Report Date : 05/08/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-670718/1)	Inspection Tank (WW-670718/2)	
1	Temperature*	°C	SMWW2023 (2550 B)	35.0	33.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-II* B)	6.6	8.9	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	1,152.0	76.8	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	512.4	14.4	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	1,900	963	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	4.1	3.1	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	20.8	11.5	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	262	183	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.25	9.35	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	1,320	3,247	-
Sample Condition				ต่ำขุ่น มีตะกอน	เขียวเหลืองขุ่น	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

\* This parameter is not in scope ISO/IEC 17025 accredited

: Information about sampling is not in scope accredited

: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 17/08/24  
Report No. : WW-670818 Received Date : 17/08/24  
Analytical Date : 17/08/24-23/09/24 Report Date : 23/09/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-670818/1)	Inspection Tank (WW-670818/2)	
1	Temperature*	°C	SMWW2023 (2550 B)	36.0	33.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-II* B)	7.4	8.3	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	1,056.0	117.6	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	525.6	19.2	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	885	2,015	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	3.1	2.1	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	18.9	10.4	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	35	50	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.38	9.21	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	1,544	3,077	-
Sample Condition				เขียว มีตะกอน	เขียวใส	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

\* This parameter is not in scope ISO/IEC 17025 accredited

: Information about sampling is not in scope accredited

: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 21/09/24  
Report No. : WW-670918 Received Date : 21/09/24  
Analytical Date : 21-28/09/24 Report Date : 28/09/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-670918/1)	Inspection Tank (WW-670918/2)	
1	Temperature*	°C	SMWW2023 (2550 B)	32.0	31.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.9	8.9	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	512.0	60.8	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	262.2	16.4	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	3,176	2,987	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	4.5	3.1	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	19.7	11.3	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	170	14	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.28	9.45	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	4,455	4,504	-
Sample Condition				น้ำตาขุ่น	ใส ไม่มีสี	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 21/09/24  
Report No. : WW-670918 Received Date : 21/09/24  
Analytical Date : 21-28/09/24 Report Date : 28/09/24

Sampling point (WW-670918/5): Wastewater treatment system Low dirt type: Wastewater condition inspection tank<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	Temperature*	°C	SMWW2023 (2550 B)	30.0	<40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	8.8	5.5-9.0
3	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	8.37	-
4	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	1,226	-
Sample Condition				ใส ไม่มีสี	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.

Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Sample Type<sup>(1)</sup> : Wastewater

Sampling Method<sup>(1)</sup> : Grab

Sampling By<sup>(1)</sup> : Jakkapat Chuaysood

Sampling Date<sup>(1)</sup> : 19/10/24

Report No. : WW-671018

Received Date : 19/10/24

Analytical Date : 19/10/24-07/11/24

Report Date : 07/11/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-671018/1)	Inspection Tank (WW-671018/2)	
1	Temperature*	°C	SMWW/2023 (2550 B)	32.0	32.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>1</sup> B)	7.8	8.9	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	156.8	73.6	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	85.8	15.4	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	2,126	806	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	4.9	<1.0	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	18.9	9.4	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	34	32	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.30	9.87	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	1,171	2,911	-
Sample Condition				เขียวจางขึ้น มีตะกอน	เขียวจางขึ้น มีตะกอน	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

\* This parameter is not in scope ISO/IEC 17025 accredited

Information about sampling is not in scope accredited

SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanasakul)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.

Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Sample Type<sup>(1)</sup> : Wastewater

Sampling Method<sup>(1)</sup> : Grab

Sampling By<sup>(1)</sup> : Jakkapat Chuaysood

Sampling Date<sup>(1)</sup> : 19/10/24

Report No. : WW-671018

Received Date : 19/10/24

Analytical Date : 19/10/24-07/11/24

Report Date : 07/11/24

Sampling point (WW-671018/5): Wastewater treatment system Low dirt type: Wastewater condition inspection tank<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	Temperature*	°C	SMWW/2023 (2550 B)	30.0	<40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>1</sup> B)	8.3	5.5-9.0
3	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	8.44	-
4	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	2,498	-
Sample Condition				ใส ไม่มีสี	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

\* This parameter is not in scope ISO/IEC 17025 accredited

Information about sampling is not in scope accredited

SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanasakul)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Saitarn Pakakaew Sampling Date<sup>(1)</sup> : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-03/12/24 Report Date : 03/12/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-671118/1)	Inspection Tank (WW-671118/2)	
1	Temperature*	°C	SMWW2023 (2550 B)	32.0	32.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.3	8.6	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	131.2	89.6	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	66.4	14.3	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	1,820	819	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	5.0	4.1	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	18.5	12.0	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	289	45	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.26	9.80	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	721.4	2,931.0	-
Sample Condition				น้ำตกเข้มนุ่น มีตะกอนสีดำ	เขียวใส	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Wastewater Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Saitarn Pakakaew Sampling Date<sup>(1)</sup> : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-03/12/24 Report Date : 03/12/24

Sampling point (WW-671118/5): Wastewater treatment system Low dirt type: Wastewater condition inspection tank<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	Temperature*	°C	SMWW2023 (2550 B)	31.0	<40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	8.0	5.5-9.0
3	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	8.38	-
4	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	654.5	-
Sample Condition				เหลืองจางขุ่น	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.

Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Sample Type<sup>(1)</sup> : Wastewater

Sampling Method<sup>(1)</sup> : Grab

Sampling By<sup>(1)</sup> : Jakkapat Chuaysood

Sampling Date<sup>(1)</sup> : 18/12/24

Report No. : WW-671218

Received Date : 18/12/24

Analytical Date : 18-25/12/24

Report Date : 25/12/24

Sampling point: Wastewater treatment system High dirt type<sup>(1)</sup>

Item	Parameter	Unit	Method	Result		Standard <sup>(2)</sup>
				Equalization Pond (WW-671218/1)	Inspection Tank (WW-671218/2)	
1	Temperature*	°C	SMWW2023 (2550 B)	25.0	27.0	≤40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H B)	7.8	8.7	5.5-9.0
3	COD*	mg/L	SMWW 2023 (5220 C)	137.6	105.6	≤120
4	BOD*	mg/L	SMWW 2023 (5210 B)	64.2	15.2	≤20
5	Total Dissolved Solids (TDS)	mg/L	SMWW 2023 (2540 C)	1,730	599	≤3,000
6	Oil & Grease*	mg/L	SMWW 2023 (5520 B)	1.8	1.8	≤5
7	Total Kjeldahl Nitrogen (TKN)*	mg/L	SMWW 2023 (4500-Norg B)	12.8	10.3	≤100
8	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	104	25	≤50
9	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	1.11	8.74	-
10	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	867.8	2,878.0	-
Sample Condition				ค่า มีตะกอนมาก	เขียว มีตะกอนเล็กน้อย	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

: \* This parameter is not in scope ISO/IEC 17025 accredited

: Information about sampling is not in scope accredited

: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

(Mrs. Ampika Rattanopas) (Mr. Pichai Larsing)

Reviewer

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.

Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110

Sample Type<sup>(1)</sup> : Wastewater

Sampling Method<sup>(1)</sup> : Grab

Sampling By<sup>(1)</sup> : Jakkapat Chuaysood

Sampling Date<sup>(1)</sup> : 18/12/24

Report No. : WW-671218

Received Date : 18/12/24

Analytical Date : 18-25/12/24

Report Date : 25/12/24

Sampling point (WW-671218/5): Wastewater treatment system Low dirt type: Wastewater condition inspection tank<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	Temperature*	°C	SMWW2023 (2550 B)	26.0	<40
2	pH (at 25 °C)	-	SMWW 2023 (4500-H B)	7.4	5.5-9.0
3	SAR (Sodium adsorption ratio)*	-	AAS, Calculation	8.50	-
4	Conductivity*	umhos/cm	SMWW 2023 (2510 B)	668.8	-
Sample Condition				ใส ไม่มีสี มีตะกอนเล็กน้อย	-

Remark : <sup>(1)</sup> Information by Customer

: <sup>(2)</sup> Notification of Ministry of Industry, 2560 (2017)

: \* This parameter is not in scope ISO/IEC 17025 accredited

: Information about sampling is not in scope accredited

: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

(Mrs. Ampika Rattanopas) (Mr. Pichai Larsing)

Reviewer

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

เอกสารแนบ 4-7

ใบรายงานผลการตรวจวิเคราะห์คุณภาพน้ำฝน  
ระหว่างเดือนกรกฎาคม-ธันวาคม 2567





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 23/07/24  
Report No. : WW-670718 Received Date : 23/07/24  
Analytical Date : 23/07/24-05/08/24 Report Date : 05/08/24

Sampling point (WW-670718/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	8.4	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				ใส	-

Remark :<sup>(1)</sup> Information by Customer  
:<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 23/07/24  
Report No. : WW-670718 Received Date : 23/07/24  
Analytical Date : 23/07/24-05/08/24 Report Date : 05/08/24

Sampling point (WW-670718/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.6	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				แดงจางใส มีตะกอนเล็กน้อย	-

Remark :<sup>(1)</sup> Information by Customer  
:<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopras)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mrs. Ampika Rattanopras)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 23/07/24  
Report No. : WW-670718 Received Date : 23/07/24  
Analytical Date : 23/07/24-05/08/24 Report Date : 05/08/24

Sampling point (WW-670718/8): Ban Khrok Tambon Health Promoting Hospital<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.9	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				ใส	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
Information about sampling is not in scope accredited  
SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 17/08/24  
Report No. : WW-670818 Received Date : 17/08/24  
Analytical Date : 17-30/08/24 Report Date : 30/08/24

Sampling point (WW-670818/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.6	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				ใส ไม่มีสี	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
Information about sampling is not in scope accredited  
SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 17/08/24  
Report No. : WW-670818 Received Date : 17/08/24  
Analytical Date : 17-30/08/24 Report Date : 30/08/24

Sampling point (WW-670818/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.4	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองใส	-

Remark : <sup>(1)</sup> Information by Customer

<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017

\* This parameter is not in scope ISO/IEC 17025 accredited

Information about sampling is not in scope accredited

SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Phiphat Thippan Sampling Date<sup>(1)</sup> : 17/08/24  
Report No. : WW-670818 Received Date : 17/08/24  
Analytical Date : 17-30/08/24 Report Date : 30/08/24

Sampling point (WW-670818/8): Ban Khrok Tambon Health Promoting Hospital<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.9	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองใส	-

Remark : <sup>(1)</sup> Information by Customer

<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017

\* This parameter is not in scope ISO/IEC 17025 accredited

Information about sampling is not in scope accredited

SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 21/09/24  
Report No. : WW-670918 Received Date : 21/09/24  
Analytical Date : 21-28/09/24 Report Date : 28/09/24

Sampling point (WW-670918/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.6	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	15	-
Sample Condition				ใส ไม่มีสี	-

Remark :<sup>(1)</sup> Information by Customer  
:<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
:\* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 21/09/24  
Report No. : WW-670918 Received Date : 21/09/24  
Analytical Date : 21-28/09/24 Report Date : 28/09/24

Sampling point (WW-670918/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.5	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองจางใส	-

Remark :<sup>(1)</sup> Information by Customer  
:<sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
:\* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 21/09/24  
Report No. : WW-670918 Received Date : 21/09/24  
Analytical Date : 21-28/09/24 Report Date : 28/09/24

Sampling point (WW-670918/8): Ban Khrok Tambon Health Promoting Hospital<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	8.2	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองจางใส	-

Remark <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 19/10/24  
Report No. : WW-671018 Received Date : 19/10/24  
Analytical Date : 19/10/24-07/11/24 Report Date : 07/11/24

Sampling point (WW-671018/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.1	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองจางใส	-

Remark <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 19/10/24  
Report No. : WW-671018 Received Date : 19/10/24  
Analytical Date : 19/10/24-07/11/24 Report Date : 07/11/24

Sampling point (WW-671018/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.3	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองใส มีตะกอน	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
Information about sampling is not in scope accredited  
SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 19/10/24  
Report No. : WW-671018 Received Date : 19/10/24  
Analytical Date : 19/10/24-07/11/24 Report Date : 07/11/24

Sampling point (WW-671018/8): Ban Khrok Tambon Health Promoting Hospital<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	8.1	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub> <sup>-</sup>	SMWW 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	21	-
Sample Condition				เหลืองขุ่น มีตะกอน	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
\* This parameter is not in scope ISO/IEC 17025 accredited  
Information about sampling is not in scope accredited  
SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Saitam Pakakaew Sampling Date<sup>(1)</sup> : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-03/12/24 Report Date : 03/12/24

Sampling point (WW-671118/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	6.6	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	113	-
Sample Condition				ปกติ	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017
- \* This parameter is not in scope ISO/IEC 17025 accredited
- Information about sampling is not in scope accredited
- SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Saitam Pakakaew Sampling Date<sup>(1)</sup> : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-03/12/24 Report Date : 03/12/24

Sampling point (WW-671118/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.1	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				ใส ไม่มีสี มีตะกอน	-

Remark : <sup>(1)</sup> Information by Customer

- <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017
- \* This parameter is not in scope ISO/IEC 17025 accredited
- Information about sampling is not in scope accredited
- SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



(Mrs. Ampika Rattanopas)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 18/12/24  
Report No. : WW-671218 Received Date : 18/12/24  
Analytical Date : 18-25/12/24 Report Date : 25/12/24

Sampling point (WW-671218/6): Project area<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	6.9	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	58	-
Sample Condition				เขียว มีตะกอนมาก	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF



### ANALYSIS REPORT

Customer name<sup>(1)</sup> : Banpong Sugar Co., Ltd.  
Address<sup>(1)</sup> : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type<sup>(1)</sup> : Rain water Sampling Method<sup>(1)</sup> : Grab  
Sampling By<sup>(1)</sup> : Jakkapat Chuaysood Sampling Date<sup>(1)</sup> : 18/12/24  
Report No. : WW-671218 Received Date : 18/12/24  
Analytical Date : 18-25/12/24 Report Date : 25/12/24

Sampling point (WW-671218/7): Wat Don Khamin School<sup>(1)</sup>

Item	Parameter	Unit	Method	Result	Standard <sup>(2)</sup>
1	pH (at 25 °C)	-	SMWW 2023 (4500-H <sup>+</sup> B)	7.1	6.5-8.5
2	Sulfate*	mg/L as SO <sub>4</sub> <sup>2-</sup>	SMWW 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	<5.00	≤250
3	Nitrate-nitrogen*	mg/L as NO <sub>3</sub>	SMWW 2023 (4500-NO <sub>3</sub> E)	<0.05	≤50
4	Total Suspended Solids (TSS)	mg/L	SMWW 2023 (2540 D)	<10	-
Sample Condition				เหลืองขุ่น มีตะกอนเล็กน้อย	-

Remark : <sup>(1)</sup> Information by Customer  
: <sup>(2)</sup> Water quality standards of the Provincial Waterworks Authority According to the recommendations of the World Health Organization (WHO) No. 4, 2011, Annex 1, 2017  
: \* This parameter is not in scope ISO/IEC 17025 accredited  
: Information about sampling is not in scope accredited  
: SMWW = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF

(Mrs. Ampika Rattanasopha)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

(Mrs. Ampika Rattanasopha)

Reviewer

(Mr. Pichai Larsing)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

เอกสารแนบ 4-8

ใบรายงานผลการตรวจวัดนิเวศวิทยาทางน้ำ

ระหว่างเดือนกรกฎาคม-ธันวาคม 2567





บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Benthic animals Sampling Method : Grab  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Sampling point: Benthic animals<sup>(1)</sup>

Item		Division/Type	Density (unit/m <sup>2</sup> )		
			Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
Phylum Annelida					
1	Class Clitellata				
1.1	Order Lumbriculida				
	Family Lumbriculidae				
	<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	563	-	89	
Phylum Arthropoda					
2	Class Insecta				
2.1	Order Diptera				
	Family Chironomidae				
	<i>Chironomus</i> sp. (หนอนแดง)	134	89	15	
Phylum Mollusca					
3	Class Gastropoda				
3.1	Order Architaenioglossa				
	Family Viviparidae				
	<i>Filopahudina</i> sp. (หอยขม)	15	-	-	

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Strwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Benthic animals Sampling Method : Grab  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/m <sup>2</sup> )		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
3.2	Order Neogastropoda			
	Family Buccinidae			
	<i>Clea</i> sp. (หอยเขี้ยว)	-	15	15
ชนิดสัตว์น้ำดิน		3	2	3
ปริมาณสัตว์น้ำดิน (ตัว/ตารางเมตร)		712	104	119
ดัชนีความหลากหลายสัตว์น้ำดิน		0.58	0.41	0.74

Remark : <sup>(1)</sup> Analysis by Sriracha Fisheries Research Station Kasetsart University

- : Station 1 = บริเวณทางน้ำสาขาระยะก่อนถึงบ่อพักน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร
- : Station 2 = บริเวณทางน้ำสาขาระยะใกล้ถึงบ่อพักน้ำเสีย (เดิม) ของโครงการ
- : Station 3 = บริเวณทางน้ำสาขาระยะหลังบ่อพักน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Sampling point: Aquatic ecology<sup>(1)</sup>

Item	Division/Type	Density (unit/L.)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
Phytoplankton				
Division Cyanophyta				
1	Class Cyanophyceae			
1.1	Order Nostocales			
	Family Oscillatoriaceae			
	<i>Lyngbya</i> sp.	-	175	7
	<i>Oscillatoria</i> sp.	10,093	13,140	435
	<i>Spirulina</i> sp.	13	7	571
	Family Nostocaceae			
	<i>Anabaenopsis</i> sp.	-	-	7
Division Chlorophyta				
2	Class Chlorophyceae			
2.1	Order Volvocales			
	Family Volvocaceae			
	<i>Eudorina</i> sp.	-	526	27
	<i>Pandorina</i> sp.	-	15	-
2.2	Order Tetrasporales			
	Family Palmellaceae			
	<i>Asterococcus</i> sp.	187	-	-
	<i>Sphaerocystis</i> sp.	-	80	-

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
2.3	Order Chlorococcales			
	Family Hydrodictyaceae			
	<i>Pediastrum</i> sp.	-	460	20
	Family Coelastraceae			
	<i>Coelastrum</i> sp.	-	22	-
	Family Botryococcaceae			
	<i>Botryococcus</i> sp.	13	-	-
	Family Oocystaceae			
	<i>Dictyosphaerium</i> sp.	27	-	-
	<i>Kirchneriella</i> sp.	-	-	14
	<i>Tetraedron</i> sp.	-	-	7
	Family Scenedesmaceae			
	<i>Crucigenia</i> sp.	13	-	-
	<i>Scenedesmus</i> sp.	267	7	82
2.4	Order Zygomatales			
	Family Zygnemataceae			
	<i>Spirogyra</i> sp.	160	949	7
	Family Desmidiaceae			
	<i>Closterium</i> sp.	-	29	-
	<i>Cosmarium</i> sp.	-	-	7
	<i>Hyalotheca</i> sp.	-	15	14
	<i>Staurastrum</i> sp.	-	15	-

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสวัสดิวิทยา 2 (ซอย 10 เขต 2-3-2) ถนนลาดพร้าว แขวง/เขตลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sriwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
3	Class Euglenophyceae			
3.1	Order Euglenales			
	Family Euglenaceae			
	<i>Euglena</i> sp.	27	343	381
	<i>Lepocinclis</i> sp.	347	329	136
	<i>Phacus</i> sp.	360	876	116
	<i>Strombomonas</i> sp.	-	7	14
	<i>Trachelomonas</i> sp.	27	438	354
	Division Chromophyta			
4	Class Bacillariophyceae			
4.1	Order Biddulphiales			
	Suborder Coscinodiscineae			
	Family Thalassiosiraceae			
	<i>Cyclotella</i> sp.	200	73	14
	Family Aulacoseiraceae			
	<i>Aulacoseira</i> sp.	-	15	14
4.2	Order Bacillariales			
	Suborder Fragilariineae			
	Family Fragilariaceae			
	<i>Fragilaria</i> sp.	1,442	3,066	109
	<i>Synedra</i> sp.	334	3,139	88

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sitthiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสวัสดิวิทยา 2 (ซอย 10 เขต 2-3-2) ถนนลาดพร้าว แขวง/เขตลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sriwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
4.2	Family Tabellariaceae			
	<i>Tabellaria</i> sp.	214	-	-
	Suborder Bacillariineae			
	Family Eunotiaceae			
	<i>Eunotia</i> sp.	27	416	54
	Family Achnanthaceae			
	<i>Achnanthes</i> sp.	134	73	-
	Family Cymbellaceae			
	<i>Cymbella</i> sp.	-	95	-
	<i>Gomphonema</i> sp.	307	1,205	-
	Family Naviculaceae			
	<i>Amphora</i> sp.	40	-	7
	<i>Craticula</i> sp.	160	15	-
	<i>Gyrodigma</i> sp.	5,447	1,533	245
	<i>Navicula</i> sp.	2,243	2,044	27
	<i>Pinnularia</i> sp.	374	387	-
	<i>Stauroneis</i> sp.	174	146	-
	Family Bacillariaceae			
	<i>Nitzschia</i> sp.	387	234	20
	Family Rhopalodiaceae			
	<i>Epithemia</i> sp.	-	37	-

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sitthiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

**Customer name** : Banpong Sugar Co., Ltd.  
**Address** : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
**Sample Type** : Plankton **Sampling Method** : Plankton net  
**Sampling By** : Saitam Pakakaew **Sampling Date** : 16/11/24  
**Report No.** : WW-671118 **Received Date** : 16/11/24  
**Analytical Date** : 16/11/24-14/12/24 **Report Date** : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
4.2	Family Surirellaceae			
	<i>Surirella</i> sp.	13	51	14
5	Class Dinophyceae			
5.1	Order Gonyaulacalea			
	Family Ceratiaceae			
	<i>Ceratium</i> sp.	-	88	-
5.2	Order Peridinales			
	Family Peridiniaceae			
	<i>Peridinium</i> sp.	320	511	218
Zooplankton				
Phylum Protozoa				
Subphylum Plasmodroma				
1	Class Sarcodina			
1.1	Subclass Rhizopoda			
1.1.1	Order Testacida			
	Family Arcellidae			
	<i>Arcella</i> sp.	53,000	7,000	14,000
	Family Diffugiidae			
	<i>Diffugia</i> sp.	-	7,000	-
	Family Euglyphidae			
	<i>Euglypha</i> sp.	-	7,000	-

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเมนทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

**Customer name** : Banpong Sugar Co., Ltd.  
**Address** : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
**Sample Type** : Plankton **Sampling Method** : Plankton net  
**Sampling By** : Saitam Pakakaew **Sampling Date** : 16/11/24  
**Report No.** : WW-671118 **Received Date** : 16/11/24  
**Analytical Date** : 16/11/24-14/12/24 **Report Date** : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
Subphylum Ciliophora				
2	Class Ciliata			
2.1	Subclass Holotricha			
2.1.1	Order Gymnostomatida			
	Coleps sp.	-	7,000	-
2.2	Subclass Peritricha			
2.2.1	Order Peritrichida			
	Zoothamnium sp.	-	7,000	-
Phylum Rotifera				
3	Class Monogononta			
3.1	Order Ploima			
	Family Brachionidae			
	Brachionus sp.	-	7,000	-
	Coleurella sp.	-	15,000	-
	Keratella sp.	-	15,000	-
	Family Lecanidae			
	Lecane sp.	-	15,000	-
	Family Tricercercidae			
	Trichocerca sp.	-	-	7,000
	Family Asplanchnidae			
	Asplanchna sp.	53,000	22,000	7,000

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสวัสดิ์วิภา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sritwitya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
3.1	Family Synchaetidae			
	<i>Polyarthra</i> sp.	280,000	29,000	14,000
3.2	Order Flosculariacea			
	Family Testudinellidae			
	<i>Filinia</i> sp.	13,000	7,000	-
4	Class Digononta			
4.1	Family Philodinidae			
	<i>Rotaria</i> sp.	13,000	-	-
Phylum Arthropoda				
5	Class Crustacea			
5.1	Subclass Branchiopoda			
5.1.1	Order Diplostraca			
	Suborder Cladocera			
	Family Sidae			
	<i>Diaphanosoma</i> sp.	13,000	-	-
	Family Bosminidae			
	<i>Bosminopsis</i> sp.	-	7,000	-



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสวัสดิ์วิภา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Sritwitya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Plankton Sampling Method : Plankton net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16/11/24-14/12/24 Report Date : 14/12/24

Item	Division/Type	Density (unit/L)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
5.2	Subclass Copepoda			
	Copepod nauplius	134,000	29,000	-
ชนิดแพลงก์ตอนพืช		29	36	28
ชนิดแพลงก์ตอนสัตว์		7	14	4
ชนิดแพลงก์ตอนรวม		36	50	32
ปริมาณแพลงก์ตอนพืช (หน่วย/ลิตร)		23,363	30,561	3,009
ปริมาณแพลงก์ตอนสัตว์ (หน่วย/ลิตร)		559,000	181,000	42,000
ปริมาณแพลงก์ตอนรวม		582,363	211,561	45,009
ดัชนีความหลากหลายแพลงก์ตอนพืช		1.91	2.20	2.55
ดัชนีความหลากหลายแพลงก์ตอนสัตว์		2.60	2.37	1.69
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช		0.57	0.61	0.77
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์		0.72	0.94	0.96

Remark : (1) Analysis by Sriracha Fisheries Research Station Kasetsart University  
: Station 1 = บริเวณทางน้ำสาธารณะก่อนถึงบ่อน้ำดื่ม (เดิม) ของโครงการ 1 กิโลเมตร  
: Station 2 = บริเวณทางน้ำสาธารณะใกล้เชิงสะพานข้ามน้ำดื่ม (เดิม) ของโครงการ  
: Station 3 = บริเวณทางน้ำสาธารณะหลังบ่อน้ำดื่ม (เดิม) ของโครงการ 1 กิโลเมตร

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Aquatic plants Sampling Method : Survey  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16-18/11/24 Report Date : 18/11/24

Sampling point: Aquatic plants<sup>(1)</sup>

Item	Division/Type	แสดงผลการสำรวจ (พบและ/หรือไม่พบ)		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
พืชลอยน้ำ				
1	Family Araceae Pistia stratiotes (จอก Water Lettuce)	✓	✓	-
2	Family Pontederiaceae Eichornia crassipes (ผักตบชวา Water hyacinth)	✓	✓	✓
3	Family Convolvulaceae Ipomoea aquatica (ผักบุ้ง Water morning glory)	✓	✓	-
4	Family Onagraceae Ludwigia adscendens (แพงพวยน้ำ Creeping water primrose)	-	✓	-
พืชชายน้ำ				
5	Family Typhaceae Typha angustifolia (หญ้าญี่ปุ่น Lesser reedmace)	✓	-	-
6	Family Poaceae Brachiaria mutica (Forsk.) Stapf (หญ้าขน Paragrass)	✓	✓	-
รวมชนิด		5	5	1

Remark : Station 1 = บริเวณทางน้ำสายบริเวณที่ปล่อยน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร  
: Station 2 = บริเวณทางน้ำสายบริเวณใกล้ที่ปล่อยน้ำเสีย (เดิม) ของโครงการ  
: Station 3 = บริเวณทางน้ำสายบริเวณที่ปล่อยน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร



(Mr. Pichai Larsing) (Mr. Tawee Sithiluttrakul)  
Reviewer Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น เขตจตุจักร กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel:02-942-2208-9 Fax: 02-942-0266 E-mail: gem-2003@hotmail.com

### ANALYSIS REPORT

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Aquatic plants Sampling Method : Survey  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16-18/11/24 Report Date : 18/11/24

รูปภาพพรรณไม้ที่สำรวจพบ

พืชลอยน้ำ

Family Araceae



จอก Water Lettuce ชื่อวิทยาศาสตร์ *Pistia stratiotes*

Family Pontederiaceae



ผักตบชวา Water hyacinth ชื่อวิทยาศาสตร์ *Eichornia crassipes*



(Mr. Pichai Larsing) (Mr. Tawee Sithiluttrakul)  
Reviewer Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name	: Banpong Sugar Co., Ltd.	Sampling Method	: Survey
Address	: 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110	Sampling Date	: 16/11/24
Sample Type	: Aquatic plants	Report No.	: WW-671118
Sampling By	: Saitam Pakakaew	Received Date	: 16/11/24
Analytical Date	: 16-18/11/24	Report Date	: 18/11/24

Family Convolvulaceae



ผักบุ้ง Water morning glory ชื่อวิทยาศาสตร์ *Ipomoea aquatica*

Family Onagraceae



แพงพวยน้ำ Creeping water primrose ชื่อวิทยาศาสตร์ *Ludwigia adscendens*

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sittiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นท์ แมนเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองลาดพร้าว กรุงเทพฯ 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwitaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name	: Banpong Sugar Co., Ltd.	Sampling Method	: Survey
Address	: 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110	Sampling Date	: 16/11/24
Sample Type	: Aquatic plants	Report No.	: WW-671118
Sampling By	: Saitam Pakakaew	Received Date	: 16/11/24
Analytical Date	: 16-18/11/24	Report Date	: 18/11/24

พืชข่าน้ำ

Family Typhaceae



ขุ่ยข่าน้ำ (Lesser reedmace) ชื่อวิทยาศาสตร์ *Typha angustifolia*

Family Poaceae



หญ้าขน Paragrass ชื่อวิทยาศาสตร์ *Brachiaria mutica* (Forsk.)

(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sittiluttrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only





บริษัท โกลบอล เอ็นไวรอนเม้นทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwtaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Fish Sampling Method : Net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16-18/11/24 Report Date : 18/11/24

Sampling point: Fish

Item	Division/Type	Result (unit/ 100 m <sup>2</sup> )		
		Station 1 (WW-671118/12)	Station 2 (WW-671118/13)	Station 3 (WW-671118/14)
1	Class Actinopterygii			
	Order Beloniformes			
	Family Zenarchopteridae	-	5	-
	<i>Dermogenys pusillus</i> (ปลาเข็ม)			
2	Class Actinopterygii			
	Order Anabantiformes			
	Family Anabantidae	-	1	-
	<i>Anabas testudineus</i> (ปลานมอ)			
จำนวนชนิดปลา		0	2	0
ปริมาณปลา (ตัว/ 100 ตารางเมตร)		0	6	0
ดัชนีความหลากหลายปลา		0	0.45	0

Remark : Station 1 = บริเวณทางน้ำสาธารณะก่อนถึงบ่อบำบัดน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร  
: Station 2 = บริเวณทางน้ำสาธารณะใกล้ถึงบ่อบำบัดน้ำเสีย (เดิม) ของโครงการ  
: Station 3 = บริเวณทางน้ำสาธารณะหลังบ่อบำบัดน้ำเสีย (เดิม) ของโครงการ 1 กิโลเมตร



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only



บริษัท โกลบอล เอ็นไวรอนเม้นทัล แมเนจเม้นท์ จำกัด  
Global Environmental Management Co.,Ltd.

8 ซอยสตรีวิทยา 2 (ซอย 10 แยก 2-3-2) ถนนลาดพร้าว แขวงคลองจั่น กรุงเทพมหานคร 10230 โทร 02-942-2208-9 โทรสาร 02-942-0266  
8 Soi Striwtaya 2 (Soi 10 Cross Street 2-3-2), Ladprao Rd., Ladprao Bangkok 10230 Tel.02-942-2208-9 Fax. 02-942-0266 E-mail: gem-2003@hotmail.com

**ANALYSIS REPORT**

Customer name : Banpong Sugar Co., Ltd.  
Address : 3/11 Saeng Chuto Rd., A. Ban Pong, Ratchaburi 70110  
Sample Type : Fish Sampling Method : Net  
Sampling By : Saitam Pakakaew Sampling Date : 16/11/24  
Report No. : WW-671118 Received Date : 16/11/24  
Analytical Date : 16-18/11/24 Report Date : 18/11/24

รูปภาพปลาที่สำรวจพบ



(Mr. Pichai Larsing)

Reviewer

(Mr. Tawee Sithilutrakul)

Approver

Do not copy partial of this analysis report without authorize signature approval

Report analysis refer to submitted sample(s) only