

ภาคผนวก ค-6

ผลการตรวจวัดระดับเสียงรบกวน

ฤดูหีบอ้อย



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149352-1
Parameter : ฝุ่นละอองในอากาศ (GPS 4Q 279216, 1886633)
Location :
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 01173613



TESTING

No.0009
Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907239-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโรงงาน	ทิศทาง	สภาพอากาศ	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
					ค่าจริง	ค่ามาตรฐาน		
02:00 PM - 03:00 PM	55.5	53.7	1.8	4.5	53.0	-	50.8	8.2
03:00 PM - 04:00 PM	54.5	54.4	0.1	7.0	49.5	-	51.4	-8.9
04:00 PM - 05:00 PM	54.5	55.3	-0.8	7.0	47.5	-	51.8	-4.3
05:00 PM - 06:00 PM	54.2	53.9	0.3	7.0	47.3	-	49.5	-2.3
06:00 PM - 07:00 PM	57.6	53.4	4.2	7.0	51.6	-	49.8	1.8
07:00 PM - 08:00 PM	55.8	47.7	7.1	3.0	53.8	-	49.6	4.2
08:00 PM - 09:00 PM	57.4	52.5	4.9	1.5	55.9	-	49.2	6.6
09:00 PM - 10:00 PM	56.8	51.9	4.9	1.5	55.3	-	48.2	7.1
10:00 PM - 11:00 PM	56.6	51.3	5.3	1.5	-	58.1	47.7	10.4
11:00 PM - 12:00 PM	56.8	51.7	5.1	4.5	-	57.0	48.3	8.7
12:00 PM - 01:00 PM	54.6	51.4	3.2	3.0	-	54.6	47.4	7.2
01:00 PM - 02:00 PM	54.6	52.7	1.9	4.5	-	53.1	48.7	4.4
02:00 PM - 03:00 PM	54.4	52.4	2.0	4.5	-	52.9	48.9	4.9
03:00 PM - 04:00 PM	55.0	50.1	4.9	1.5	-	56.5	46.8	9.7
04:00 PM - 05:00 PM	56.2	50.2	6.0	1.5	-	57.7	47.1	10.6
05:00 PM - 06:00 PM	58.2	50.0	8.2	0.5	-	60.7	46.6	14.1
06:00 PM - 07:00 PM	56.4	52.0	4.4	2.0	-	52.4	47.9	4.5
07:00 PM - 08:00 PM	55.8	50.5	5.3	1.5	-	53.3	48.0	5.3
08:00 PM - 09:00 PM	54.0	52.1	1.9	4.5	-	52.5	48.6	3.9
09:00 PM - 10:00 PM	53.5	51.7	1.8	4.5	-	52.0	47.4	4.6
10:00 PM - 11:00 PM	53.3	52.9	0.4	7.0	-	49.3	47.9	1.4
11:00 PM - 12:00 PM	55.8	49.6	6.2	1.5	-	52.4	45.9	6.5
12:00 PM - 01:00 PM	55.7	50.3	5.4	1.5	-	52.2	46.6	5.6
01:00 PM - 02:00 PM	55.1	50.0	5.1	1.5	-	56.6	45.3	11.3
02:00 PM - 03:00 PM	54.4	51.2	3.2	4.5	-	51.9	47.0	4.9
03:00 PM - 04:00 PM	52.4	49.2	3.2	7.0	-	50.4	46.3	4.1
04:00 PM - 05:00 PM	53.7	52.4	1.3	7.0	-	49.7	45.7	4.0
05:00 PM - 06:00 PM	52.0	49.8	2.2	4.5	-	50.5	45.3	5.2
06:00 PM - 07:00 PM	54.8	47.4	7.4	4.5	-	51.4	44.2	7.2
07:00 PM - 08:00 PM	55.0	47.8	7.2	0.5	-	58.3	44.6	13.7
08:00 PM - 09:00 PM	56.7	48.9	7.8	0.5	-	59.2	44.4	14.8
09:00 PM - 10:00 PM	56.2	50.0	6.2	1.5	-	56.7	45.9	10.8
10:00 PM - 11:00 PM	52.9	48.9	4.0	2.0	-	53.9	45.4	8.5
11:00 PM - 12:00 PM	53.7	51.7	2.0	4.5	-	52.7	46.2	6.5
12:00 PM - 01:00 PM	52.5	49.9	2.6	3.0	-	52.5	45.4	7.1
01:00 PM - 02:00 PM	52.9	50.4	2.5	1.5	-	50.5	45.2	5.3
02:00 PM - 03:00 PM	52.3	49.4	2.9	3.0	-	52.3	45.3	7.0
03:00 PM - 04:00 PM	52.7	48.1	4.6	2.0	-	53.2	43.6	9.6
04:00 PM - 05:00 PM	52.7	48.7	3.9	4.5	-	52.7	43.7	9.0
05:00 PM - 06:00 PM	54.5	51.1	3.4	7.0	-	54.5	43.4	11.1

The data results are valid only for the specified test conditions and are not valid for other purposes. The data is for reference only and should not be used for legal or regulatory purposes. The data is not to be used for any other purpose without the written consent of ALS.

Approved by

Kasem Anet
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149352-1
Parameter : ฝุ่นละอองในอากาศ (GPS 4Q 279216, 1886633)
Location :
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 01173613



TESTING

No.0009
Lot ID: 23149352
Date Received Jan 31, 2024
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Report Number : 2907239-1

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เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโรงงาน	ทิศทาง	สภาพอากาศ	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
					ค่าจริง	ค่ามาตรฐาน		
12:40 AM - 01:00 AM	53.0	47.6	5.4	1.5	-	54.5	44.0	10.5
12:45 AM - 01:15 AM	53.0	49.1	3.9	4.5	-	49.7	45.0	4.7
12:50 AM - 01:20 AM	55.9	47.2	8.7	0.5	-	58.4	43.2	15.2
12:55 AM - 01:25 AM	52.1	48.3	3.8	2.0	-	53.1	44.4	8.4
01:00 AM - 01:30 AM	54.7	48.1	6.6	1.5	-	55.7	43.7	12.0
01:05 AM - 01:35 AM	53.3	50.1	3.2	3.0	-	53.3	44.3	9.0
01:10 AM - 01:40 AM	55.1	48.4	6.7	1.0	-	57.1	43.8	13.3
01:15 AM - 01:45 AM	53.0	48.0	5.0	1.5	-	51.4	42.9	8.4
01:20 AM - 01:50 AM	53.8	48.6	5.2	1.5	-	55.3	44.1	11.2
01:25 AM - 01:55 AM	51.7	48.9	2.8	2.0	-	51.7	44.3	7.4
01:30 AM - 02:00 AM	51.3	48.6	2.7	2.0	-	51.3	42.9	8.4
01:35 AM - 02:05 AM	51.6	48.5	3.1	3.0	-	51.6	43.1	8.5
01:40 AM - 02:10 AM	50.5	49.6	0.9	7.0	-	46.5	42.7	3.8
01:45 AM - 02:15 AM	50.5	47.4	3.1	2.0	-	50.5	42.4	8.1
01:50 AM - 02:20 AM	52.6	50.3	2.3	4.5	-	50.9	42.7	8.2
01:55 AM - 02:25 AM	53.9	48.4	5.5	1.5	-	55.4	42.1	13.3
02:00 AM - 02:30 AM	50.5	48.4	2.1	4.5	-	49.0	42.6	6.4
02:05 AM - 02:35 AM	52.4	47.7	4.7	1.5	-	53.5	43.6	9.9
02:10 AM - 02:40 AM	51.4	48.3	3.0	2.0	-	51.3	43.9	7.4
02:15 AM - 02:45 AM	51.2	48.0	3.2	2.0	-	51.2	43.8	7.4
02:20 AM - 02:50 AM	52.8	49.3	3.5	2.0	-	52.8	44.3	8.5
02:25 AM - 02:55 AM	53.0	48.2	4.8	1.0	-	53.0	45.6	7.4
02:30 AM - 03:00 AM	50.3	50.5	-0.2	7.0	-	46.3	47.0	-0.7
02:35 AM - 03:05 AM	47.6	51.2	-3.6	7.0	-	43.6	45.9	-2.3
02:40 AM - 03:10 AM	47.2	48.3	1.1	7.0	-	43.2	43.5	-0.3
02:45 AM - 03:15 AM	47.3	46.3	1.0	2.0	-	43.3	40.6	2.7
02:50 AM - 03:20 AM	47.7	49.0	-1.3	2.0	-	43.7	41.6	2.1
02:55 AM - 03:25 AM	50.7	47.8	2.9	2.0	-	51.7	41.6	10.1
03:00 AM - 03:30 AM	51.4	48.6	2.8	1.5	-	54.5	42.8	11.7
03:05 AM - 03:35 AM	50.9	53.4	-2.5	7.0	-	46.9	42.4	4.5
03:10 AM - 03:40 AM	50.5	47.8	2.7	2.0	-	50.5	42.4	8.1
03:15 AM - 03:45 AM	50.6	48.6	2.0	4.5	-	49.1	43.7	5.4
03:20 AM - 03:50 AM	50.5	48.6	1.9	4.5	-	49.0	43.8	5.2
03:25 AM - 03:55 AM	55.3	49.1	6.2	1.5	-	58.8	43.1	15.7
03:30 AM - 04:00 AM	51.1	49.8	1.3	2.0	-	47.2	43.5	3.7
03:35 AM - 04:05 AM	50.3	50.3	0.0	7.0	-	42.1	42.4	-0.3
03:40 AM - 04:10 AM	45.3	48.1	-2.8	7.0	-	41.3	41.5	-0.2
03:45 AM - 04:15 AM	48.1	48.7	-0.6	7.0	-	44.1	43.5	0.6
03:50 AM - 04:20 AM	51.3	48.7	2.6	3.0	-	51.3	43.7	7.6
03:55 AM - 04:25 AM	52.1	48.1	4.0	2.0	-	53.1	43.3	9.8

The data results are valid only for the specified test conditions and are not valid for other purposes. The data is for reference only and should not be used for legal or regulatory purposes. The data is not to be used for any other purpose without the written consent of ALS.

Approved by

Kasem Anet
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149352-1
Parameter : ฝุ่นละอองในอากาศ (GPS 4Q 279216, 1886633)
Location :
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 01173613



TESTING

No.0009
Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907239-1

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เวลา		จุดสนใจ (dB(A))				เสียงรบกวน		ค่าเฉลี่ย	
18hr	เสียงจากแหล่งกำเนิด	เสียงจากโรงงาน	ทิศทาง	ค่าปรับ	ปรับค่าเสียงจากแหล่งกำเนิด	ค่าปรับ	เสียงรบกวน	ค่าเฉลี่ย	ค่าปรับ
04:05 AM - 04:05 AM	47.9	50.3	-2.3	7.0	49.3	-	43.9	43.9	0.6
04:25 AM - 04:25 AM	46.5	48.9	-2.4	7.0	47.9	-	42.5	42.5	0.4
04:45 AM - 04:45 AM	47.4	47.8	-0.4	7.0	47.4	-	43.1	42.7	0.4
04:15 AM - 04:20 AM	47.1	48.4	-1.3	7.0	47.1	-	45.1	43.6	1.5
04:25 AM - 04:25 AM	47.2	47.6	-0.4	7.0	47.2	-	43.2	43.2	0.0
04:25 AM - 04:35 AM	48.8	50.0	-1.2	7.0	48.8	-	44.8	44.5	0.3
04:35 AM - 04:35 AM	49.4	49.6	-0.2	7.0	49.4	-	45.4	44.7	0.7
04:35 AM - 04:40 AM	47.5	48.2	-0.7	7.0	47.5	-	45.0	43.9	1.1
04:40 AM - 04:45 AM	47.0	48.4	-1.4	7.0	47.0	-	45.9	42.7	3.3
04:45 AM - 04:45 AM	55.2	50.6	4.6	1.5	-	56.7	44.2	12.5	
04:50 AM - 04:55 AM	52.9	49.3	3.6	2.0	-	53.9	43.6	10.3	
04:55 AM - 05:00 AM	46.6	47.8	-1.2	7.0	46.6	-	44.6	44.6	0.0
05:00 AM - 05:05 AM	46.5	46.5	0.0	7.0	46.5	-	44.5	44.5	0.0
05:05 AM - 05:10 AM	51.1	50.3	0.8	7.0	47.1	-	45.8	43.1	2.7
05:10 AM - 05:15 AM	52.2	49.0	3.1	2.0	46.3	-	45.2	43.1	2.1
05:15 AM - 05:20 AM	50.6	47.1	3.5	1.5	45.5	-	45.4	44.0	1.4
05:20 AM - 05:25 AM	51.6	49.4	2.2	4.5	50.1	-	45.1	45.0	0.1
05:25 AM - 05:30 AM	51.4	50.3	1.1	7.0	47.4	-	47.4	45.6	1.8
05:30 AM - 05:35 AM	51.1	49.7	1.4	2.0	53.1	-	45.5	45.5	0.0
05:35 AM - 05:40 AM	51.3	51.5	-0.2	7.0	54.0	-	44.1	49.9	-5.8
05:40 AM - 05:45 AM	52.0	49.3	2.7	2.0	54.0	-	44.3	48.8	-5.5
05:45 AM - 05:55 AM	52.7	50.0	2.7	3.0	52.2	-	45.2	44.2	1.0
05:55 AM - 06:00 AM	52.9	49.6	3.3	2.0	52.9	-	45.3	45.1	0.2
05:55 AM - 06:00 AM	53.8	50.8	3.0	2.0	53.8	-	46.0	46.0	0.0
06:00 AM - 07:00 AM	60.3	51.8	8.5	0.5	59.8	-	47.7	12.1	35.7
07:00 AM - 08:00 AM	52.0	52.3	-0.3	7.0	50.6	-	50.6	48.8	1.8
08:00 AM - 09:00 AM	52.9	52.9	0.0	7.0	52.9	-	51.3	51.3	0.0
09:00 AM - 10:00 AM	52.8	55.6	-2.7	7.0	46.8	-	49.0	45.2	3.8
10:00 AM - 11:00 AM	55.3	55.3	0.0	7.0	48.6	-	49.3	47.3	2.0
11:00 AM - 12:00 PM	54.6	54.6	0.0	7.0	47.6	-	46.5	46.5	0.0
12:00 PM - 01:00 PM	53.9	52.5	1.4	7.0	46.9	-	49.2	47.3	1.9
01:00 PM - 02:00 PM	54.9	44.5	0.4	7.0	47.9	-	50.4	45.5	4.9
ค่าเฉลี่ยรวม									2.18

Reference Method :
1. In-house method : STM 65-001 based on ISO 1991-1 : 2016
2. ค่าเฉลี่ยรวมจากจุดสนใจ 24 จุดใน 1 วัน และ 2 จุด



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 23149352-2
Parameter เปรียบเทียบ
Location เปรียบเทียบค่าเฉลี่ย (GPS 48Q 279216, 1886633)
Measurement Date Jan 23 - 24, 2024
Measurement by Hathapan Kumsat
Sound Level Meter 01173613

TESTING

No.0009

Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2307240-1

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เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโรงงาน	ระดับเสียง (dB(A))		ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
12:40 AM - 12:45 AM	52.6	48.6	5.0	1.5	-	53.1	44.4	10.7	-	-
12:45 AM - 12:50 AM	51.9	47.2	4.7	1.5	-	53.4	44.5	8.9	-	-
12:50 AM - 12:55 AM	51.8	47.1	4.7	1.5	-	53.3	44.5	8.8	-	-
12:55 AM - 01:00 AM	51.4	46.1	3.3	3.0	-	51.4	43.6	7.8	-	-
01:00 AM - 01:05 AM	51.7	46.1	2.6	3.0	-	51.7	43.4	8.3	-	-
01:05 AM - 01:10 AM	51.0	47.1	3.9	2.0	-	52.0	44.0	8.0	-	-
01:10 AM - 01:15 AM	52.2	46.6	3.5	2.0	-	52.2	45.2	7.0	-	-
01:15 AM - 01:20 AM	51.2	51.1	0.1	7.0	-	47.2	43.7	3.5	-	-
01:20 AM - 01:25 AM	51.9	49.7	2.2	4.5	-	50.4	44.9	5.5	-	-
01:25 AM - 01:30 AM	52.8	49.0	4.9	1.5	-	54.3	44.4	9.9	-	-
01:30 AM - 01:35 AM	52.1	47.0	5.1	1.5	-	53.6	43.6	10.0	-	-
01:35 AM - 01:40 AM	52.5	48.6	3.9	2.0	-	53.5	44.2	9.3	-	-
01:40 AM - 01:45 AM	53.1	48.2	4.9	1.5	-	54.6	44.8	9.8	-	-
01:45 AM - 01:50 AM	53.5	49.7	3.8	2.0	-	54.5	43.7	10.8	-	-
01:50 AM - 01:55 AM	52.8	48.2	4.6	1.5	-	54.3	44.8	9.5	-	-
01:55 AM - 02:00 AM	52.6	48.1	4.5	1.5	-	54.1	44.5	9.6	-	-
02:00 AM - 02:05 AM	53.6	49.0	4.6	1.0	-	57.6	45.1	12.5	-	-
02:05 AM - 02:10 AM	52.6	48.7	4.3	2.0	-	53.9	43.0	8.9	-	-
02:10 AM - 02:15 AM	52.4	49.7	2.7	3.0	-	52.4	43.7	8.7	-	-
02:15 AM - 02:20 AM	52.5	49.8	2.7	2.0	-	52.5	44.4	8.1	-	-
02:20 AM - 02:25 AM	52.7	49.0	4.7	2.0	-	53.2	44.3	8.9	-	-
02:25 AM - 02:30 AM	52.6	50.4	2.2	4.5	-	51.1	44.5	6.6	-	-
02:30 AM - 02:35 AM	52.8	49.8	2.0	3.0	-	52.8	44.9	7.9	-	-
02:35 AM - 02:40 AM	52.6	49.8	3.6	2.0	-	53.6	45.1	8.5	-	-
02:40 AM - 02:45 AM	52.5	49.2	3.7	3.0	-	52.5	46.1	6.4	-	-
02:45 AM - 02:50 AM	54.9	49.8	5.1	1.5	-	56.4	46.3	10.1	-	-
02:50 AM - 02:55 AM	52.7	50.1	2.6	3.0	-	52.7	46.2	6.3	-	-
02:55 AM - 03:00 AM	54.1	49.0	5.1	1.5	-	55.6	45.2	10.4	-	-
03:00 AM - 03:05 AM	52.2	48.4	3.9	2.0	-	53.2	45.5	7.6	-	-
03:05 AM - 03:10 AM	53.1	52.4	0.7	7.0	-	49.1	45.1	4.0	-	-
03:10 AM - 03:15 AM	52.8	48.5	3.9	2.0	-	53.8	45.6	8.2	-	-
03:15 AM - 03:20 AM	53.0	48.4	4.7	2.0	-	54.0	45.4	8.6	-	-
03:20 AM - 03:25 AM	52.4	51.3	1.1	7.0	-	48.4	45.2	3.2	-	-
03:25 AM - 03:30 AM	53.1	49.8	4.1	2.0	-	54.1	45.4	8.7	-	-
03:30 AM - 03:35 AM	53.5	49.1	4.4	1.5	-	57.0	45.9	11.1	-	-
03:35 AM - 03:40 AM	53.1	50.0	2.1	4.5	-	55.5	45.1	3.5	-	-
03:40 AM - 03:45 AM	53.0	48.9	4.1	2.0	-	54.0	44.6	9.4	-	-
03:45 AM - 03:50 AM	52.8	51.2	1.5	4.5	-	51.3	47.4	3.9	-	-
03:50 AM - 03:55 AM	53.3	48.5	4.8	1.5	-	54.8	44.5	10.3	-	-
03:55 AM - 04:00 AM	52.4	48.9	3.5	2.0	-	53.4	45.1	8.3	-	-

The data results are used only for the analytical purpose and are not intended to be used for any other purpose. The data is subject to change without notice. The data is not intended to be used for any other purpose. The data is not intended to be used for any other purpose.

Approved by 
Kanokorn Anek
Senior Manager

ADDRESS 104 Phatthanakan Rd., Phatthanakan Rd., Khong Phatthanakan, Khut Sun Long, Bangkok 10250 Thailand | PHONE: +66 0 2760 3000 | FAX: +66 0 2760 3197

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 23149352-2
Parameter เปรียบเทียบ
Location เปรียบเทียบค่าเฉลี่ย (GPS 48Q 279216, 1886633)
Measurement Date Jan 23 - 24, 2024
Measurement by Hathapan Kumsat
Sound Level Meter 01173613

TESTING

No.0009

Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2307240-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโรงงาน	ระดับเสียง (dB(A))		ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
04:00 AM - 04:05 AM	52.9	50.3	2.7	3.0	-	52.9	45.8	7.1	-	-
04:05 AM - 04:10 AM	52.3	49.1	3.2	2.0	-	52.3	44.9	7.4	-	-
04:10 AM - 04:15 AM	51.7	49.5	4.2	2.0	-	54.7	44.3	10.4	-	-
04:15 AM - 04:20 AM	54.6	48.4	6.2	1.5	-	56.1	45.1	11.0	-	-
04:20 AM - 04:25 AM	55.7	49.4	6.3	1.5	-	57.2	45.6	11.6	-	-
04:25 AM - 04:30 AM	53.8	49.3	4.5	2.0	-	54.8	46.0	8.8	-	-
04:30 AM - 04:35 AM	55.5	50.3	5.2	1.5	-	57.0	47.2	9.8	-	-
04:35 AM - 04:40 AM	54.0	49.7	4.3	1.5	-	55.5	45.9	9.7	-	-
04:40 AM - 04:45 AM	54.4	50.9	3.5	1.5	-	56.4	47.2	9.2	-	-
04:45 AM - 04:50 AM	53.4	52.5	0.9	7.0	-	53.5	47.5	7.8	-	-
04:50 AM - 04:55 AM	51.3	52.4	2.7	2.0	-	53.3	47.5	7.8	-	-
04:55 AM - 05:00 AM	54.8	49.8	5.0	1.5	-	56.3	46.8	9.5	-	-
05:00 AM - 05:05 AM	56.5	50.4	6.1	1.5	-	58.0	46.3	11.7	-	-
05:05 AM - 05:10 AM	53.9	50.5	3.5	2.0	-	53.0	46.2	8.2	-	-
05:10 AM - 05:15 AM	52.5	50.4	2.1	4.5	-	51.0	46.4	4.6	-	-
05:15 AM - 05:20 AM	53.8	49.8	4.0	1.5	-	57.3	46.9	10.4	-	-
05:20 AM - 05:25 AM	55.8	49.6	6.2	1.5	-	58.5	45.4	13.1	-	-
05:25 AM - 05:30 AM	55.6	50.5	5.1	1.5	-	57.1	45.8	11.3	-	-
05:30 AM - 05:35 AM	58.1	50.4	7.7	0.5	-	60.6	46.4	14.2	-	-
05:35 AM - 05:40 AM	51.3	52.1	3.2	3.0	-	52.2	46.2	5.8	-	-
05:40 AM - 05:45 AM	56.9	51.2	5.7	1.5	-	58.4	47.4	11.0	-	-
05:45 AM - 05:50 AM	54.9	51.9	3.0	3.0	-	54.9	48.7	6.2	-	-
05:50 AM - 05:55 AM	53.9	50.8	3.1	3.0	-	53.9	48.0	5.9	-	-
05:55 AM - 06:00 AM	53.7	52.4	3.5	4.5	-	52.3	49.4	7.1	-	-
06:00 AM - 06:05 AM	53.3	52.4	2.9	3.0	-	52.3	-	-	-	-
06:05 AM - 06:10 AM	56.2	53.6	2.6	3.0	-	53.2	-	-	-	-
06:10 AM - 06:15 AM	56.1	54.0	2.1	3.0	-	54.0	-	-	-	-
06:15 AM - 06:20 AM	55.2	53.5	1.7	3.0	-	52.0	-	-	-	-
06:20 AM - 06:25 AM	56.2	55.1	1.1	7.0	-	53.3	-	-	-	-
06:25 AM - 06:30 PM	55.7	54.8	0.9	7.0	-	51.5	-	-	-	-
06:30 PM - 06:35 PM	55.1	55.1	0.0	4.5	-	48.3	-	-	-	-
06:35 PM - 06:40 PM	56.2	52.9	3.3	3.0	-	53.2	-	-	-	-

Reference Method :
1. In-house method: STN 06-001 based on ISO 1996-1:2016
2. In-house method: STN 06-001 based on ISO 1996-1:2016
3. In-house method: STN 06-001 based on ISO 1996-1:2016
4. In-house method: STN 06-001 based on ISO 1996-1:2016
5. In-house method: STN 06-001 based on ISO 1996-1:2016
6. In-house method: STN 06-001 based on ISO 1996-1:2016
7. In-house method: STN 06-001 based on ISO 1996-1:2016
8. In-house method: STN 06-001 based on ISO 1996-1:2016
9. In-house method: STN 06-001 based on ISO 1996-1:2016
10. In-house method: STN 06-001 based on ISO 1996-1:2016
11. In-house method: STN 06-001 based on ISO 1996-1:2016
12. In-house method: STN 06-001 based on ISO 1996-1:2016
13. In-house method: STN 06-001 based on ISO 1996-1:2016
14. In-house method: STN 06-001 based on ISO 1996-1:2016
15. In-house method: STN 06-001 based on ISO 1996-1:2016
16. In-house method: STN 06-001 based on ISO 1996-1:2016
17. In-house method: STN 06-001 based on ISO 1996-1:2016
18. In-house method: STN 06-001 based on ISO 1996-1:2016
19. In-house method: STN 06-001 based on ISO 1996-1:2016
20. In-house method: STN 06-001 based on ISO 1996-1:2016
21. In-house method: STN 06-001 based on ISO 1996-1:2016
22. In-house method: STN 06-001 based on ISO 1996-1:2016
23. In-house method: STN 06-001 based on ISO 1996-1:2016
24. In-house method: STN 06-001 based on ISO 1996-1:2016
25. In-house method: STN 06-001 based on ISO 1996-1:2016
26. In-house method: STN 06-001 based on ISO 1996-1:2016
27. In-house method: STN 06-001 based on ISO 1996-1:2016
28. In-house method: STN 06-001 based on ISO 1996-1:2016
29. In-house method: STN 06-001 based on ISO 1996-1:2016
30. In-house method: STN 06-001 based on ISO 1996-1:2016
31. In-house method: STN 06-001 based on ISO 1996-1:2016
32. In-house method: STN 06-001 based on ISO 1996-1:2016
33. In-house method: STN 06-001 based on ISO 1996-1:2016
34. In-house method: STN 06-001 based on ISO 1996-1:2016
35. In-house method: STN 06-001 based on ISO 1996-1:2016
36. In-house method: STN 06-001 based on ISO 1996-1:2016
37. In-house method: STN 06-001 based on ISO 1996-1:2016
38. In-house method: STN 06-001 based on ISO 1996-1:2016
39. In-house method: STN 06-001 based on ISO 1996-1:2016
40. In-house method: STN 06-001 based on ISO 1996-1:2016
41. In-house method: STN 06-001 based on ISO 1996-1:2016
42. In-house method: STN 06-001 based on ISO 1996-1:2016
43. In-house method: STN 06-001 based on ISO 1996-1:2016
44. In-house method: STN 06-001 based on ISO 1996-1:2016
45. In-house method: STN 06-001 based on ISO 1996-1:2016
46. In-house method: STN 06-001 based on ISO 1996-1:2016
47. In-house method: STN 06-001 based on ISO 1996-1:2016
48. In-house method: STN 06-001 based on ISO 1996-1:2016
49. In-house method: STN 06-001 based on ISO 1996-1:2016
50. In-house method: STN 06-001 based on ISO 1996-1:2016
51. In-house method: STN 06-001 based on ISO 1996-1:2016
52. In-house method: STN 06-001 based on ISO 1996-1:2016
53. In-house method: STN 06-001 based on ISO 1996-1:2016
54. In-house method: STN 06-001 based on ISO 1996-1:2016
55. In-house method: STN 06-001 based on ISO 1996-1:2016
56. In-house method: STN 06-001 based on ISO 1996-1:2016
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59. In-house method: STN 06-001 based on ISO 1996-1:2016
60. In-house method: STN 06-001 based on ISO 1996-1:2016
61. In-house method: STN 06-001 based on ISO 1996-1:2016
62. In-house method: STN 06-001 based on ISO 1996-1:2016
63. In-house method: STN 06-001 based on ISO 1996-1:2016
64. In-house method: STN 06-001 based on ISO 1996-1:2016
65. In-house method: STN 06-001 based on ISO 1996-1:2016
66. In-house method: STN 06-001 based on ISO 1996-1:2016
67. In-house method: STN 06-001 based on ISO 1996-1:2016
68. In-house method: STN 06-001 based on ISO 1996-1:2016
69. In-house method: STN 06-001 based on ISO 1996-1:2016
70. In-house method: STN 06-001 based on ISO 1996-1:2016
71. In-house method: STN 06-001 based on ISO 1996-1:2016
72. In-house method: STN 06-001 based on ISO 1996-1:2016
73. In-house method: STN 06-001 based on ISO 1996-1:2016
74. In-house method: STN 06-001 based on ISO 1996-1:2016
75. In-house method: STN 06-001 based on ISO 1996-1:2016
76. In-house method: STN 06-001 based on ISO 1996-1:2016
77. In-house method: STN 06-001 based on ISO 1996-1:2016
78. In-house method: STN 06-001 based on ISO 1996-1:2016
79. In-house method: STN 06-001 based on ISO 1996-1:2016
80. In-house method: STN 06-001 based on ISO 1996-1:2016
81. In-house method: STN 06-001 based on ISO 1996-1:2016
82. In-house method: STN 06-001 based on ISO 1996-1:2016
83. In-house method: STN 06-001 based on ISO 1996-1:2016
84. In-house method: STN 06-001 based on ISO 1996-1:2016
85. In-house method: STN 06-001 based on ISO 1996-1:2016
86. In-house method: STN 06-001 based on ISO 1996-1:2016
87. In-house method: STN 06-001 based on ISO 1996-1:2016
88. In-house method: STN 06-001 based on ISO 1996-1:2016
89. In-house method: STN 06-001 based on ISO 1996-1:2016
90. In-house method: STN 06-001 based on ISO 1996-1:2016
91. In-house method: STN 06-001 based on ISO 1996-1:2016
92. In-house method: STN 06-001 based on ISO 1996-1:2016
93. In-house method: STN 06-001 based on ISO 1996-1:2016
94. In-house method: STN 06-001 based on ISO 1996-1:2016
95. In-house method: STN 06-001 based on ISO 1996-1:2016
96. In-house method: STN 06-001 based on ISO 1996-1:2016
97. In-house method: STN 06-001 based on ISO 1996-1:2016
98. In-house method: STN 06-001 based on ISO 1996-1:2016
99. In-house method: STN 06-001 based on ISO 1996-1:2016
100. In-house method: STN 06-001 based on ISO 1996-1:2016
101. In-house method: STN 06-001 based on ISO 1996-1:2016
102. In-house method: STN 0



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000012343_EIA Monitoring
Project Location :

Sample No. 23149352-5
Parameter เหมืองแร่
Location ไร่โพธิ์โพธิ์โพธิ์โพธิ์ (GPS 46Q 279216, 1886633)
Measurement Date Jan 26 - 27, 2024
Measurement by Nathaphon Kunnuat
Sound Level Meter 01173613



TESTING

No.0009
Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2307243-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงตามวัด	ความถี่	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
07:00 PM - 07:00 PM	52.4	52.4	-2.9	7.0	55.4	-	55.4	-	55.4
07:00 PM - 07:00 PM	53.5	53.5	-1.1	7.0	56.5	-	56.5	-	56.5
07:00 PM - 07:00 PM	53.8	53.8	-1.4	7.0	56.8	-	56.8	-	56.8
07:00 PM - 07:00 PM	53.5	53.5	0.9	7.0	56.5	-	56.5	-	56.5
07:00 PM - 07:00 PM	54.4	54.4	5.8	1.5	59.9	-	59.9	-	59.9
07:00 PM - 07:00 PM	54.7	54.7	2.1	4.5	56.8	-	56.8	-	56.8
07:00 PM - 07:00 PM	54.3	54.3	2.9	3.0	57.3	-	57.3	-	57.3
07:00 PM - 07:00 PM	54.4	54.4	2.3	3.0	56.8	-	56.8	-	56.8
07:00 PM - 07:00 PM	54.4	54.4	0.9	7.0	57.4	-	57.4	-	57.4
07:00 PM - 07:00 PM	52.4	52.4	-0.7	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	53.0	53.0	1.6	4.5	53.5	-	53.5	-	53.5
07:00 PM - 07:00 PM	50.6	50.6	0.3	7.0	46.6	-	46.6	-	46.6
07:00 PM - 07:00 PM	51.7	51.7	0.4	7.0	47.7	-	47.7	-	47.7
07:00 PM - 07:00 PM	50.7	50.7	-1.3	7.0	46.7	-	46.7	-	46.7
07:00 PM - 07:00 PM	49.6	49.6	-3.8	7.0	45.6	-	45.6	-	45.6
07:00 PM - 07:00 PM	50.2	50.2	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1
07:00 PM - 07:00 PM	54.9	54.9	4.1	2.0	55.9	-	55.9	-	55.9
07:00 PM - 07:00 PM	53.1	53.1	2.6	3.0	53.1	-	53.1	-	53.1
07:00 PM - 07:00 PM	52.5	52.5	0.8	2.0	52.5	-	52.5	-	52.5
07:00 PM - 07:00 PM	52.0	52.0	0.8	7.0	48.0	-	48.0	-	48.0
07:00 PM - 07:00 PM	51.1	51.1	-0.9	7.0	46.2	-	46.2	-	46.2
07:00 PM - 07:00 PM	52.4	52.4	-0.9	7.0	48.4	-	48.4	-	48.4
07:00 PM - 07:00 PM	54.1	54.1	3.5	2.0	55.1	-	55.1	-	55.1</



Analysis / Test Report



TESTING

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907245-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149352-7
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้า/ออก (GPS 48Q 272616, 1888633)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Nathaphon Kunasut
Sound Level Meter : 01173613

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในโรงงาน	ค่าเสียง (dB(A))		เสียงรบกวนในชุมชน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
04:00 AM - 04:05 AM	53.8	48.9	4.9	1.5	55.3	45.4
04:05 AM - 04:10 AM	54.6	50.0	4.6	1.5	56.1	45.6
04:10 AM - 04:15 AM	57.8	49.3	8.5	0.5	60.3	45.5
04:15 AM - 04:20 AM	54.4	51.8	2.6	3.0	54.4	49.2
04:20 AM - 04:25 AM	54.6	50.4	4.2	2.0	55.6	47.7
04:25 AM - 04:30 AM	53.3	49.7	3.6	2.0	54.3	45.8
04:30 AM - 04:35 AM	53.2	48.7	4.5	1.5	54.7	45.7
04:35 AM - 04:40 AM	53.0	48.6	4.4	2.0	54.0	45.9
04:40 AM - 04:45 AM	53.8	48.5	5.3	1.5	55.3	45.1
04:45 AM - 04:50 AM	54.6	49.0	5.6	1.5	56.1	46.7
04:50 AM - 04:55 AM	55.4	50.0	5.4	1.5	56.9	45.0
04:55 AM - 05:00 AM	54.3	48.8	5.5	1.5	54.8	45.2
05:00 AM - 05:05 AM	53.7	50.9	2.4	4.5	51.8	46.0
05:05 AM - 05:10 AM	55.2	51.1	4.1	2.0	56.2	49.2
05:10 AM - 05:15 AM	54.7	50.6	4.1	2.0	55.7	48.0
05:15 AM - 05:20 AM	55.4	49.7	5.7	1.5	56.9	46.2
05:20 AM - 05:25 AM	55.3	48.4	6.9	1.0	57.3	45.5
05:25 AM - 05:30 AM	55.9	49.8	6.1	1.5	57.4	46.7
05:30 AM - 05:35 AM	55.6	49.2	6.4	1.5	57.1	45.9
05:35 AM - 05:40 AM	56.3	48.9	7.4	1.0	58.5	45.8
05:40 AM - 05:45 AM	55.0	49.3	5.7	1.5	56.5	46.6
05:45 AM - 05:50 AM	55.3	50.9	4.4	2.0	56.3	47.9
05:50 AM - 05:55 AM	55.8	49.6	6.2	1.5	57.4	46.6
05:55 AM - 06:00 AM	54.4	49.8	4.6	1.5	55.9	47.1
06:00 AM - 07:00 AM	57.0	51.5	5.5	1.5	55.5	-
06:00 AM - 08:00 AM	56.7	53.1	3.6	2.0	54.7	-
08:00 AM - 09:00 AM	55.6	56.8	-1.7	7.0	48.1	-
09:00 AM - 10:00 AM	55.8	56.6	-0.8	7.0	48.8	-
10:00 AM - 11:00 AM	54.7	59.9	-5.2	7.0	47.7	-
11:00 AM - 12:00 PM	56.3	54.0	2.3	4.5	51.8	-
12:00 PM - 01:00 PM	56.3	53.0	3.3	3.0	53.1	-
01:00 PM - 02:00 PM	55.3	52.6	2.7	3.0	52.3	-

Reference Method :
1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. อุปกรณ์ที่ใช้ในการทดสอบ : ใช้ 1 เครื่องวัดระดับเสียงแบบพกพา รุ่น 01173613 จำนวน 24 ตัว และเครื่องมือวัดอุณหภูมิอากาศจากสถานีตรวจอากาศใน ม. 2533
3. อุปกรณ์ที่ใช้ในการทดสอบ : ใช้ 1 เครื่องวัดระดับเสียงแบบพกพา รุ่น 01173613 จำนวน 24 ตัว และเครื่องมือวัดอุณหภูมิอากาศจากสถานีตรวจอากาศใน ม. 2546
4. อุปกรณ์ที่ใช้ในการทดสอบ : ใช้ 1 เครื่องวัดระดับเสียงแบบพกพา รุ่น 01173613 จำนวน 24 ตัว และเครื่องมือวัดอุณหภูมิอากาศจากสถานีตรวจอากาศใน ม. 2551
5. อุปกรณ์ที่ใช้ในการทดสอบ : ใช้ 1 เครื่องวัดระดับเสียงแบบพกพา รุ่น 01173613 จำนวน 24 ตัว และเครื่องมือวัดอุณหภูมิอากาศจากสถานีตรวจอากาศใน ม. 2567
6. อุปกรณ์ที่ใช้ในการทดสอบ : ใช้ 1 เครื่องวัดระดับเสียงแบบพกพา รุ่น 01173613 จำนวน 24 ตัว และเครื่องมือวัดอุณหภูมิอากาศจากสถานีตรวจอากาศใน ม. 2587

Approved by :
Kasorn Anet
Senior Manager

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Analysis / Test Report



TESTING

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907246-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149352-8
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้า/ออก (GPS 48Q 272618, 1888807)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathaphon Kunasut
Sound Level Meter : 222542

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในโรงงาน	ค่าเสียง (dB(A))		เสียงรบกวนในชุมชน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
02:00 PM - 02:05 PM	47.1	46.5	0.3	0.0	46.1	-3.2
02:05 PM - 02:10 PM	47.2	46.1	1.1	2.0	46.2	-4.0
02:10 PM - 02:15 PM	47.5	45.8	1.7	4.5	43.0	-4.1
02:15 PM - 02:20 PM	45.4	46.1	-0.7	7.0	38.4	-4.7
02:20 PM - 02:25 PM	51.4	49.4	2.0	4.5	46.9	-0.4
02:25 PM - 02:30 PM	52.5	50.1	0.4	7.0	43.5	-4.3
02:30 PM - 02:35 PM	48.7	48.8	-0.1	7.0	41.2	-3.9
02:35 PM - 02:40 PM	49.1	49.1	-1.2	7.0	40.3	-3.1
02:40 PM - 02:45 PM	46.2	49.9	-3.7	7.0	-	42.2
02:45 PM - 02:50 PM	46.2	49.9	-3.7	7.0	-	42.2
02:50 PM - 02:55 PM	46.2	49.9	-3.7	7.0	-	42.2
02:55 PM - 03:00 PM	46.0	50.1	-4.1	7.0	-	42.0
03:00 PM - 03:05 PM	46.0	50.2	-4.2	7.0	-	42.0
03:05 PM - 03:10 PM	45.2	50.9	-5.7	7.0	-	41.2
03:10 PM - 03:15 PM	44.1	51.1	-7.0	7.0	-	40.1
03:15 PM - 03:20 PM	45.5	50.1	-4.6	7.0	-	41.5
03:20 PM - 03:25 PM	47.5	50.7	-3.2	7.0	-	43.5
03:25 PM - 03:30 PM	45.2	50.2	-5.1	7.0	-	41.3
03:30 PM - 03:35 PM	45.1	50.1	-5.4	7.0	-	41.7
03:35 PM - 03:40 PM	47.1	50.0	-2.9	7.0	-	43.1
03:40 PM - 03:45 PM	46.9	50.1	-3.2	7.0	-	42.9
03:45 PM - 03:50 PM	47.1	49.6	-2.5	7.0	-	43.5
03:50 PM - 03:55 PM	46.6	49.2	-2.6	7.0	-	42.8
03:55 PM - 04:00 PM	48.1	49.4	-1.3	7.0	-	44.1
04:00 PM - 04:05 PM	48.0	49.3	-1.3	7.0	-	44.0
04:05 PM - 04:10 PM	47.2	48.0	-0.8	7.0	-	43.2
04:10 PM - 04:15 PM	48.5	48.4	0.1	7.0	-	44.5
04:15 PM - 04:20 PM	48.2	48.9	-0.7	7.0	-	44.2
04:20 PM - 04:25 PM	45.2	47.0	-1.8	7.0	-	43.5
04:25 PM - 04:30 PM	46.8	47.1	-0.3	7.0	-	44.2
04:30 PM - 04:35 PM	47.1	47.2	-0.1	7.0	-	44.3
04:35 PM - 04:40 AM	49.1	47.8	1.3	7.0	-	45.1
04:40 AM - 04:45 AM	47.8	48.2	-0.4	7.0	-	43.8
04:45 AM - 04:50 AM	47.1	48.3	-1.2	7.0	-	43.2
04:50 AM - 04:55 AM	47.9	48.9	-1.0	7.0	-	43.9
04:55 AM - 05:00 AM	48.8	48.6	0.2	7.0	-	44.8
05:00 AM - 05:05 AM	49.1	47.7	1.4	7.0	-	45.1
05:05 AM - 05:10 AM	49.3	48.2	1.1	7.0	-	45.3
05:10 AM - 05:15 AM	49.3	49.5	0.2	7.0	-	45.5

The above results are valid only for the analytical method specified as indicated in Reference Method. If the report is to be used for any other purpose, the user must consult the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any misuse of the report.

Approved by :
Kasorn Anet
Senior Manager

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Analysis / Test Report



TESTING

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907246-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149352-8
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้า/ออก (GPS 48Q 272618, 1888807)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathaphon Kunasut
Sound Level Meter : 222542

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในโรงงาน	ค่าเสียง (dB(A))		เสียงรบกวนในชุมชน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
12:40 AM - 12:45 AM	48.5	47.7	0.8	7.0	44.5	-4.0
12:45 AM - 12:50 AM	47.9	47.1	0.8	7.0	44.5	-4.0
12:50 AM - 12:55 AM	48.3	48.0	0.3	7.0	44.1	-4.2
12:55 AM - 01:00 AM	47.6	47.4	0.2	7.0	43.6	-4.0
01:00 AM - 01:05 AM	48.3	47.4	0.9	4.5	44.8	-3.5
01:05 AM - 01:10 AM	48.6	47.4	1.2	7.0	44.8	-3.5
01:10 AM - 01:15 AM	49.1	47.3	1.8	4.5	47.6	-1.5
01:15 AM - 01:20 AM	49.3	47.3	2.0	4.5	47.8	-1.3
01:20 AM - 01:25 AM	50.3	46.8	3.5	7.0	51.3	4.5
01:25 AM - 01:30 AM	50.2	46.8	3.5	7.0	51.3	4.5
01:30 AM - 01:35 AM	48.8	46.4	2.4	4.5	47.3	4.9
01:35 AM - 01:40 AM	48.7	46.4	2.3	4.5	47.2	5.1
01:40 AM - 01:45 AM	50.3	46.0	4.3	4.5	46.8	4.0
01:45 AM - 01:50 AM	50.8	46.9	3.9	1.5	52.2	8.4
01:50 AM - 01:55 AM	48.3	46.2	2.1	4.5	46.8	4.7
01:55 AM - 02:00 AM	47.8	46.1	1.7	4.5	46.3	4.5
02:00 AM - 02:05 AM	47.7	46.1	1.6	4.5	46.2	4.4
02:05 AM - 02:10 AM	48.0	45.8	2.2	4.5	46.5	4.7
02:10 AM - 02:15 AM	47.9	45.9	2.0	4.5	46.4	4.6
02:15 AM - 02:20 AM	48.0	46.2	1.8	4.5	46.5	4.5
02:20 AM - 02:25 AM	49.0	46.3	2.7	3.0	49.0	4.7
02:25 AM - 02:30 AM	49.1	46.5	2.5	3.0	49.1	4.8
02:30 AM - 02:35 AM	49.5	47.3	2.0	4.5	47.7	4.6
02:35 AM - 02:40 AM	49.0	47.0	2.0	4.5	47.5	4.5
02:40 AM - 02:45 AM	47.9	46.7	1.2	4.5	46.4	4.2
02:45 AM - 02:50 AM	46.0	46.4	-0.4	7.0	45.8	-0.6
02:50 AM - 02:55 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
02:55 AM - 03:00 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:00 AM - 03:05 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:05 AM - 03:10 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:10 AM - 03:15 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:15 AM - 03:20 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:20 AM - 03:25 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:25 AM - 03:30 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:30 AM - 03:35 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:35 AM - 03:40 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:40 AM - 03:45 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:45 AM - 03:50 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:50 AM - 03:55 AM	47.5	48.0	-0.5	7.0	43.5	-1.6
03:55 AM - 04:00 AM	47.5	48.0	-0.5	7.0	43.5	-1.6

The above results are valid only for the analytical method specified as indicated in Reference Method. If the report is to be used for any other purpose, the user must consult the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any misuse of the report.

Approved by :
Kasorn Anet
Senior Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Chawang Phatthanakan, Khut Sun Luang, Bangkok 10250 Thailand | Phone: +66 0 2760 3000 | Fax: +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report



TESTING

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907246-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149352-8
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้า/ออก (GPS 48Q 272618, 1888807)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathaphon Kunasut
Sound Level Meter : 222542

ค่าข้อมูล (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในโรงงาน	ค่าเสียงในโรงงาน	ค่าปรับ	เสียงรบกวนในชุมชน	ค่าเสียงในชุมชน		
04:00 AM - 04:05 AM	47.2	48.8	-1.6	7.0	-	39.7	3.5	
04:05 AM - 04:10 AM	45.8	47.7	5.1	1.5	-	40.3	5.0	
04:10 AM - 04:15 AM	46.5	47.2	2.8	2.8	-	45.5	3.9	
04:15 AM - 04:20 AM	46.4	47.1	1.8	1.5	-	47.9	40.0	
04:20 AM - 04:25 AM	48.0	41.3	6.7	1.0	-	50.0	40.0	
04:25 AM - 04:30 AM	48.0	41.4	6.5	1.0	-	50.0	39.4	10.6
04:30 AM - 04:35 AM	47.6	42.5	5.3	-	-	49.1	41.6	7.5
04:35 AM - 04:40 AM	47.8	48.2	-0.4	7.0	-	43.8	42.5	1.3
04:40 AM - 04:45 AM	48.2	50.0	-1.8	7.0	-	44.2	46.8	-2.6
04:45 AM - 04:50 AM	48.1	51.9	-2.8	0.0	-	44.3	47.4	-3.1
04:50 AM - 04:55 AM	48.2	51.1	-2.7	7.0	-	44.2	47.9	-2.7
04:55 AM - 05:00 AM	48.5	52.8	-4.3	7.0	-	44.5	49.1	-3.6
05:00 AM - 05:05 AM	46.9	54.5	-2.6	7.0	-	44.9	50.4	-2.5
05:05 AM - 05:10 AM	47.9	55.5	-2.6	7.0	-	43.9	51.7	-8.0
05:10 AM - 05:15 AM	46.1	46.1	2.0	4.5	-	46.6	43.2	3.4
05:15 AM - 05:20 AM	48.0	46.2	1.8	4.5	-	46.5	44.2	2.3
05:20 AM - 05:25 AM	47.6	45.6	2.5	4.5	-	46.6	43.1	4.5
05:25 AM - 05:30 AM	47.3	45.3	2.0	4.5	-	45.8	43.6	2.2
05:30 AM - 05:35 AM	48.0	45.4	2.5	3.0	-	48.0	43.8	4.2
05:35 AM - 05:40 AM	48.1	46.3	1.9	4.5	-	46.6	44.2	2.4
05:40 AM - 05:45 AM	47.7	45.8	1.9	4.5	-	46.2	44.1	2.1
05:45 AM - 05:50 AM	47.1	44.9	2.2	4.5	-	45.6	43.2	2.4
05:50 AM - 05:55 AM	46.5	44.2	1.2	7.0	-	45.5	44.8	-0.7
05:55 AM - 06:00 AM	45.7	45.7	1.3	7.0	-	43.0	44.4	-1.4
06:00 AM - 07:00 AM	51.2	47.7	3.5	2.0	49.2	-	45.8	3.4
07:00 AM - 08:00 AM	50.3	47.8	2.5	3.0	47.3	-	45.4	1.9
08:00 AM - 09:00 AM	48.3	45.5	2.8	3.0	45.3	-	45.2	2.1
09:00 AM - 10:00 AM	48.4	45.4	3.0	3.0	45.4	-	45.5	2.8
10:00 AM - 11:00 AM	47.7	44.6	3.1	3.0	44.7	-	42.5	2.2
11:00 AM - 12:00 PM	47.5	42.2	3.5	4.2	42.2	-	42.6	4.4
12:00 PM - 01:00 PM	48.5	45.5	3.0	2.0	46.1	-	42.6	3.5
01:00 PM - 02:00 PM	48.1	45.3	3.0	3.0	45.3	-	43.2	2.1



Analysis / Test Report



Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

TESTING
No.0009
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907247-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149352-9
Parameter : เกลือตกตะกอน
Location : บริเวณใกล้หน่วยบำบัดน้ำ (GPS 48Q 277638, 1886807)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Hathaporn Kumsu
Sound Level Meter : 222542

ข้อมูลเบื้องต้น (DB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
02:00 PM - 03:00 PM	47.9	45.5	2.4	4.5	43.4	-	43.2	2.2	-
03:00 PM - 04:00 PM	48.2	46.9	1.3	7.0	41.2	-	42.3	-2.7	-
04:00 PM - 05:00 PM	48.7	50.8	-2.1	7.0	41.7	-	44.6	-2.9	-
05:00 PM - 06:00 PM	49.1	47.4	1.7	4.5	44.6	-	45.8	-1.2	-
06:00 PM - 07:00 PM	49.9	47.5	2.4	4.5	45.4	-	46.1	-0.7	-
07:00 PM - 08:00 PM	52.0	48.5	3.5	2.0	50.0	-	46.8	3.2	-
08:00 PM - 09:00 PM	51.7	48.3	3.4	3.0	48.7	-	46.3	2.4	-
09:00 PM - 10:00 PM	50.3	46.2	4.0	2.0	48.3	-	45.3	3.0	-
10:00 PM - 10:55 PM	50.7	46.7	4.0	1.5	-	51.7	45.5	2.5	-
10:55 PM - 11:00 PM	49.4	47.8	1.6	4.5	-	47.9	46.1	1.8	-
11:00 PM - 11:05 PM	49.6	47.0	2.6	3.0	-	49.6	45.7	3.9	-
11:05 PM - 11:10 PM	51.5	46.7	4.8	1.5	-	52.0	45.3	2.5	-
11:10 PM - 11:15 PM	50.8	47.0	3.8	2.0	-	51.8	44.6	7.2	-
11:15 PM - 11:20 PM	50.6	46.2	4.4	2.0	-	51.6	45.0	6.6	-
11:20 PM - 11:25 PM	50.4	47.0	3.4	2.0	-	51.6	45.1	6.5	-
11:25 PM - 11:30 PM	50.3	46.6	3.7	2.0	-	51.3	44.9	6.4	-
11:30 PM - 11:35 PM	50.4	46.2	4.2	2.0	-	51.4	44.6	6.8	-
11:35 PM - 11:40 PM	50.3	46.4	3.9	2.0	-	51.3	44.9	6.4	-
11:40 PM - 11:45 PM	50.4	46.2	4.2	2.0	-	51.4	45.2	6.2	-
11:45 PM - 11:50 PM	50.1	46.2	3.9	2.0	-	51.1	44.6	6.5	-
11:50 PM - 11:55 PM	50.1	46.2	3.9	2.0	-	51.1	45.2	5.9	-
11:55 PM - 12:00 PM	50.1	46.3	3.8	2.0	-	51.1	45.0	6.1	-
12:00 PM - 12:05 PM	49.8	46.6	3.2	3.0	-	49.8	44.9	4.9	-
12:05 PM - 12:10 PM	50.2	47.1	3.1	3.0	-	50.2	45.6	4.6	-
12:10 PM - 12:15 PM	49.2	46.8	2.4	4.5	-	47.7	45.5	2.2	-
12:15 PM - 12:20 PM	49.3	46.4	2.9	3.0	-	49.3	45.2	4.1	-
12:20 PM - 12:25 PM	48.8	46.0	2.8	3.0	-	48.8	44.9	3.9	-
12:25 PM - 12:30 PM	48.6	46.3	2.3	4.5	-	47.1	44.4	2.7	-
12:30 PM - 12:35 PM	48.9	46.9	2.0	3.0	-	48.1	44.8	3.3	-
12:35 PM - 12:40 PM	46.9	45.7	1.2	7.0	-	45.9	44.4	-1.5	-

The above results are valid only for the time and location specified in this report. The results may vary if the test is conducted at a different time or location. The results are not valid for any other purpose.

Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report



Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

TESTING
No.0008
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907247-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149352-9
Parameter : เกลือตกตะกอน
Location : บริเวณใกล้หน่วยบำบัดน้ำ (GPS 48Q 277638, 1886807)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Hathaporn Kumsu
Sound Level Meter : 222542

ข้อมูลเบื้องต้น (DB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
12:40 AM - 12:45 AM	47.2	44.0	3.2	3.0	-	47.2	43.3	3.9	-
12:45 AM - 12:50 AM	45.9	44.9	1.0	7.0	-	45.9	43.2	-1.3	-
12:50 AM - 12:55 AM	47.1	43.3	3.8	2.0	-	48.1	43.0	5.1	-
12:55 AM - 01:00 AM	47.4	44.9	2.5	3.0	-	47.4	42.7	4.7	-
01:00 AM - 01:05 AM	47.0	44.8	2.2	4.5	-	45.5	43.2	2.3	-
01:05 AM - 01:10 AM	47.0	44.3	2.7	3.0	-	47.0	43.5	3.5	-
01:10 AM - 01:15 AM	47.4	44.4	3.0	3.0	-	47.4	43.5	3.9	-
01:15 AM - 01:20 AM	47.5	43.4	4.1	4.5	-	46.0	43.2	2.8	-
01:20 AM - 01:25 AM	47.5	43.8	3.7	4.5	-	46.0	43.6	2.4	-
01:25 AM - 01:30 AM	47.5	43.2	4.3	4.5	-	46.0	43.2	2.8	-
01:30 AM - 01:35 AM	46.8	44.3	2.5	2.0	-	46.8	43.5	3.3	-
01:35 AM - 01:40 AM	46.3	44.9	1.4	4.5	-	44.6	43.1	1.5	-
01:40 AM - 01:45 AM	46.4	44.0	2.4	4.5	-	44.9	42.4	2.5	-
01:45 AM - 01:50 AM	46.8	43.5	3.3	3.0	-	46.8	42.1	4.7	-
01:50 AM - 01:55 AM	46.4	44.4	2.0	4.5	-	44.9	42.2	2.7	-
01:55 AM - 02:00 AM	46.2	43.8	2.4	4.5	-	44.7	42.5	2.2	-
02:00 AM - 02:05 AM	46.1	44.1	2.0	4.5	-	44.6	42.6	2.0	-
02:05 AM - 02:10 AM	45.9	44.1	1.8	4.5	-	44.4	42.3	2.1	-
02:10 AM - 02:15 AM	46.4	44.0	2.4	4.5	-	44.9	42.4	2.5	-
02:15 AM - 02:20 AM	46.4	44.8	1.6	4.5	-	44.9	42.3	2.6	-
02:20 AM - 02:25 AM	45.9	43.0	2.9	7.0	-	43.3	42.3	-1.0	-
02:25 AM - 02:30 AM	46.3	44.5	1.8	4.5	-	44.8	42.5	2.3	-
02:30 AM - 02:35 AM	45.6	43.0	2.6	7.0	-	41.6	42.3	-0.7	-
02:35 AM - 02:40 AM	45.4	43.4	2.0	4.5	-	43.9	42.8	1.1	-
02:40 AM - 02:45 AM	47.0	42.6	4.4	2.0	-	46.0	41.6	4.4	-
02:45 AM - 02:50 AM	47.2	43.6	3.6	4.5	-	45.7	44.0	1.7	-
02:50 AM - 02:55 AM	46.8	43.6	3.2	7.0	-	42.8	44.2	-1.4	-
02:55 AM - 03:00 AM	47.2	43.4	3.8	4.5	-	45.7	44.8	0.9	-
03:00 AM - 03:05 AM	47.4	43.9	3.5	4.5	-	45.9	44.2	1.7	-
03:05 AM - 03:10 AM	47.5	44.1	3.4	7.0	-	43.5	44.3	-0.8	-
03:10 AM - 03:15 AM	46.8	43.9	2.9	7.0	-	42.8	44.1	-1.3	-
03:15 AM - 03:20 AM	46.4	44.4	2.0	4.5	-	44.4	43.2	1.2	-
03:20 AM - 03:25 AM	46.8	44.9	1.9	4.5	-	45.3	43.5	1.8	-
03:25 AM - 03:30 AM	46.7	45.5	1.2	7.0	-	42.7	43.9	-1.2	-
03:30 AM - 03:35 AM	46.0	45.2	0.8	4.5	-	42.8	43.8	-1.0	-
03:35 AM - 03:40 AM	46.1	44.0	2.1	7.0	-	41.1	42.5	-1.4	-
03:40 AM - 03:45 AM	45.4	42.3	3.1	3.0	-	45.4	42.0	3.4	-
03:45 AM - 03:50 AM	46.8	42.3	4.5	2.0	-	47.8	42.7	5.1	-
03:50 AM - 03:55 AM	45.6	42.0	3.6	7.0	-	41.9	42.7	-0.8	-
03:55 AM - 04:00 AM	45.6	44.0	1.6	4.5	-	44.1	42.3	1.8	-

The above results are valid only for the time and location specified in this report. The results may vary if the test is conducted at a different time or location. The results are not valid for any other purpose.

Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report



Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

TESTING
No.0008
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907247-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149352-9
Parameter : เกลือตกตะกอน
Location : บริเวณใกล้หน่วยบำบัดน้ำ (GPS 48Q 277638, 1886807)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Hathaporn Kumsu
Sound Level Meter : 222542

ข้อมูลเบื้องต้น (dB(A))		เสียงจากแหล่งกำเนิด		เสียงจากสิ่งแวดล้อม		ค่าเฉลี่ย		ค่าปรับ		ค่าปรับ		ค่าปรับ	
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
04:00 AM - 04:05 AM	46.2	43.4	2.8	3.0	-	46.2	42.2	4.0	-	-	-	-	-
04:05 AM - 04:10 AM	46.1	44.0	2.1	4.5	-	44.6	42.7	1.9	-	-	-	-	-
04:10 AM - 04:15 AM	46.6	43.5	3.1	3.0	-	46.6	42.3	4.3	-	-	-	-	-
04:15 AM - 04:20 AM	46.9	43.6	3.3	2.0	-	47.0	42.5	4.5	-	-	-	-	-
04:20 AM - 04:25 AM	46.5	43.1	3.4	7.0	-	42.5	43.6	-1.1	-	-	-	-	-
04:25 AM - 04:30 AM	45.6	43.0	2.6	7.0	-	41.6	43.4	-1.8	-	-	-	-	-
04:30 AM - 04:35 AM	46.0	43.7	2.3	4.5	-	44.1	42.3	1.8	-	-	-	-	-
04:35 AM - 04:40 AM	45.9	43.3	2.6	3.0	-	45.9	42.0	3.9	-	-	-	-	-
04:40 AM - 04:45 AM	46.0	44.2	1.8	4.5	-	44.5	42.1	2.4	-	-	-	-	-
04:45 AM - 04:50 AM	45.9	44.2	1.7	4.5	-	44.4	42.7	1.7	-	-	-	-	-
04:50 AM - 04:55 AM	49.2	45.3	3.9	1.5	-	50.7	42.3	8.4	-	-	-	-	-
04:55 AM - 05:00 AM	50.3	44.3	6.0	1.5	-	51.8	42.9	8.9	-	-	-	-	-
05:00 AM - 05:05 AM	50.7	45.2	5.5	1.5	-	52.2	42.9	9.3	-	-	-	-	-
05:05 AM - 05:10 AM	49.3	45.2	4.1	1.5	-	52.4	44.0	8.4	-	-	-	-	-
05:10 AM - 05:15 AM	50.6	45.4	5.2	1.5	-	52.1	43.9	8.2	-	-	-	-	-
05:15 AM - 05:20 AM	47.5	43.6	3.9	4.5	-	46.0	43.8	2.2	-	-	-	-	-
05:20 AM - 05:25 AM	49.1	46.3	2.8	1.5	-	49.1	44.7	4.4	-	-	-	-	-
05:25 AM - 05:30 AM	51.1	46.3	4.8	1.5	-	52.6	44.9	7.7	-	-	-	-	-
05:30 AM - 05:35 AM	52.6	46.4	6.2	1.5	-	54.1	45.3	8.8	-	-	-	-	-
05:35 AM - 05:40 AM	52.7	46.5	6.2	1.5	-	54.2	45.0	9.2	-	-	-	-	-
05:40 AM - 05:45 AM	53.1	46.7	6.4	1.5	-	54.6	45.8	8.8	-	-	-	-	-
05:45 AM - 05:50 AM	53.1	47.5	5.6	1.5	-	54.6	45.7	8.9	-	-	-	-	-
05:50 AM - 05:55 AM	53.0	47.9	5.1	1.5	-	54.5	46.0	8.5	-	-	-	-	-
05:55 AM - 06:00 AM	53.1	47.9	5.2	1.5	-	54.6	45.5	9.1	-	-	-	-	-
06:00 AM - 07:00 AM	51.7	46.7	5.0	1.5	50.2	-	46.1	5.1	-	-	-	-	-
07:00 AM - 08:00 AM	46.2	46.0	0.2	7.0	39.2	-	43.6	-4.4	-	-	-	-	-
08:00 AM - 09:00 AM	45.9	44.8	1.1	7.0	38.2	-	42.6	-3.7	-	-	-	-	-
09:00 AM - 10:00 AM	45.2	44.5	0.7	7.0	38.2	-	42.7	-4.5	-	-	-	-	-
10:00 AM - 11:00 AM	46.2	45.4	0.8	7.0	39.2	-	43.8	-4.6	-	-	-	-	-
11:00 AM - 12:00 PM	45.6	46.0	-0.4	7.0	38.6	-	42.9	-4.3	-	-	-	-	-
12:00 PM - 01:00 PM	47.1	46.7	0.4	7.0	40.1	-	43.5	-4.4	-	-	-	-	-
01:00 PM - 02:00 PM	45.0	44.8	0.2	7.0	38.0	-	42.	-	-	-	-	-	-

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-13
Parameter : ฝุ่นละออง
Location : ทุ่นกักเก็บน้ำฝนในเขตสวน (GPS 40Q 277638, 1888807)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kumrat
Sound Level Meter : 222542



TESTING
No.0009
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907251-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่ารวม	ค่าปรับ	ค่ารวม
02:00 PM - 03:00 PM	49.1	45.3	3.8	2.0	42.1	-	42.1
03:00 PM - 04:00 PM	44.2	42.9	1.3	2.0	37.2	-	37.2
04:00 PM - 05:00 PM	45.4	44.9	0.5	2.0	38.4	-	38.4
05:00 PM - 06:00 PM	45.2	45.9	-0.7	2.0	38.2	-	38.2
06:00 PM - 07:00 PM	53.2	47.2	6.0	1.5	51.7	-	51.7
07:00 PM - 08:00 PM	52.3	49.9	2.4	1.0	56.3	-	56.3
08:00 PM - 09:00 PM	55.1	50.5	4.6	1.5	59.0	-	59.0
09:00 PM - 10:00 PM	54.1	48.9	5.2	1.5	52.6	-	52.6
10:00 PM - 10:30 PM	51.6	49.5	2.1	4.5	50.1	48.4	1.7
10:30 PM - 10:45 PM	55.2	51.4	3.8	2.0	56.2	48.1	8.1
10:45 PM - 11:00 PM	52.1	50.0	2.1	4.5	50.6	47.4	3.2
11:00 PM - 11:15 PM	51.5	49.0	2.5	3.0	51.5	47.0	4.5
11:15 PM - 11:30 PM	51.1	48.0	3.1	3.0	51.1	47.0	4.1
11:30 PM - 11:45 PM	52.5	49.2	3.3	2.0	53.5	46.6	6.9
11:45 PM - 12:00 AM	51.8	49.7	2.1	2.0	51.8	48.1	3.7
12:00 AM - 12:15 AM	51.3	48.7	2.6	3.0	51.3	47.8	3.5
12:15 AM - 12:30 AM	51.2	49.0	2.2	4.5	49.8	47.0	2.8
12:30 AM - 12:45 AM	51.1	48.6	2.5	3.0	51.1	47.4	3.7
12:45 AM - 1:00 AM	50.8	48.6	2.2	4.5	49.3	47.5	1.8
1:00 AM - 1:15 AM	50.8	48.5	2.3	4.5	49.3	47.4	1.9
1:15 AM - 1:30 AM	51.3	48.7	2.6	3.0	51.3	47.5	3.8
1:30 AM - 1:45 AM	50.8	48.9	1.9	4.5	49.3	47.0	2.3
1:45 AM - 2:00 AM	50.1	47.8	2.3	4.5	48.6	46.5	2.1
2:00 AM - 2:15 AM	51.3	47.3	4.0	2.0	49.3	46.2	3.1
2:15 AM - 2:30 AM	50.4	46.9	3.5	2.0	51.4	45.7	5.7
2:30 AM - 2:45 AM	50.7	47.2	3.5	3.0	50.7	46.2	4.5
2:45 AM - 3:00 AM	50.3	46.0	4.3	2.0	48.3	45.2	3.1
3:00 AM - 3:15 AM	52.2	47.9	4.3	2.0	48.7	45.4	3.3
3:15 AM - 3:30 AM	50.3	46.4	3.9	2.0	51.3	45.5	5.8
3:30 AM - 3:45 AM	50.7	47.1	3.6	2.0	51.7	45.7	6.0
3:45 AM - 4:00 AM	50.3	47.2	3.1	3.0	50.3	45.4	4.9
4:00 AM - 4:15 AM	51.4	47.5	3.9	2.0	52.4	46.4	6.0
4:15 AM - 4:30 AM	50.5	47.5	3.0	3.0	50.5	46.0	4.5
4:30 AM - 4:45 AM	51.7	47.3	4.4	2.0	52.1	46.2	5.9
4:45 AM - 5:00 AM	50.4	46.0	4.4	4.5	48.9	46.3	2.6
5:00 AM - 5:15 AM	50.8	47.6	3.2	3.0	50.8	46.4	4.4
5:15 AM - 5:30 AM	50.5	47.6	2.9	3.0	50.5	46.2	4.3
5:30 AM - 5:45 AM	49.5	47.3	2.2	3.0	49.5	45.7	4.8
5:45 AM - 6:00 AM	49.0	46.5	2.5	3.0	49.0	45.3	3.7
6:00 AM - 6:15 AM	50.2	47.3	2.9	3.0	50.2	46.0	4.2

The above results are valid only for the analytical method specified as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the results of any analysis performed by other laboratories.

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Kasikorn Anet
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-13
Parameter : ฝุ่นละออง
Location : ทุ่นกักเก็บน้ำฝนในเขตสวน (GPS 40Q 277638, 1888807)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kumrat
Sound Level Meter : 222542



TESTING
No.0009
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907251-1

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เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย (dB(A))		ปรับตามข้อกำหนดตามประกาศ กสทช. 2562		เสียงที่ชุมชน	ค่ารวมตามข้อกำหนด
			ค่าเฉลี่ยตามพื้นที่	ค่าปรับ	ค่าเฉลี่ยตามพื้นที่	ค่าปรับ		
12:40 AM - 12:45 AM	49.4	47.5	1.9	4.5	-	47.9	45.6	2.3
12:45 AM - 12:50 AM	49.7	46.8	2.9	3.0	-	49.7	45.4	4.3
12:50 AM - 12:55 AM	49.4	47.2	2.2	4.5	-	47.9	45.7	2.2
12:55 AM - 01:00 AM	48.9	46.5	2.4	4.5	-	47.4	45.2	2.2
01:00 AM - 01:05 AM	49.1	47.2	1.9	4.5	-	47.6	45.7	1.9
01:05 AM - 01:10 AM	49.3	46.8	2.5	3.0	-	49.3	45.5	3.8
01:10 AM - 01:15 AM	49.6	47.0	2.6	3.0	-	49.6	45.7	3.8
01:15 AM - 01:20 AM	50.2	47.4	2.8	3.0	-	50.2	46.8	4.2
01:20 AM - 01:25 AM	50.2	47.2	3.0	3.0	-	50.2	46.5	4.7
01:25 AM - 01:30 AM	50.4	47.0	3.4	3.0	-	50.4	46.5	4.9
01:30 AM - 01:35 AM	50.2	47.3	2.9	3.0	-	50.2	46.1	4.1
01:35 AM - 01:40 AM	50.5	47.4	3.1	3.0	-	50.5	46.2	4.3
01:40 AM - 01:45 AM	50.4	47.6	2.8	3.0	-	50.4	46.5	3.9
01:45 AM - 01:50 AM	50.4	47.1	3.3	3.0	-	50.4	45.8	4.6
01:50 AM - 01:55 AM	49.9	46.6	3.3	3.0	-	49.9	45.3	4.6
01:55 AM - 02:00 AM	50.1	46.6	3.5	2.0	-	50.1	45.2	5.9
02:00 AM - 02:05 AM	49.0	46.2	2.8	3.0	-	49.0	44.8	4.2
02:05 AM - 02:10 AM	48.8	47.0	1.8	4.5	-	47.3	45.3	2.0
02:10 AM - 02:15 AM	48.2	46.7	1.5	4.5	-	46.7	45.4	1.3
02:15 AM - 02:20 AM	48.1	46.1	2.0	4.5	-	46.6	44.4	2.2
02:20 AM - 02:25 AM	48.8	46.4	2.4	4.5	-	47.3	45.0	2.3
02:25 AM - 02:30 AM	49.1	46.3	2.8	3.0	-	49.1	44.9	4.2
02:30 AM - 02:35 AM	48.2	45.6	2.6	3.0	-	48.2	44.4	3.8
02:35 AM - 02:40 AM	48.6	45.6	3.0	3.0	-	48.6	44.4	4.2
02:40 AM - 02:45 AM	49.0	45.8	3.2	3.0	-	49.0	44.8	4.2
02:45 AM - 02:50 AM	48.1	45.5	2.6	3.0	-	48.1	44.4	3.7
02:50 AM - 02:55 AM	48.4	45.3	3.1	3.0	-	48.4	44.2	4.2
02:55 AM - 03:00 AM	49.0	45.9	3.1	3.0	-	49.0	44.8	4.2
03:00 AM - 03:05 AM	49.4	46.0	3.4	3.0	-	49.4	44.7	4.7
03:05 AM - 03:10 AM	49.0	46.2	2.8	3.0	-	49.0	44.3	4.7
03:10 AM - 03:15 AM	49.6	46.1	3.5	2.0	-	49.6	44.2	5.4
03:15 AM - 03:20 AM	49.6	46.0	3.6	2.0	-	49.6	43.9	5.6
03:20 AM - 03:25 AM	49.0	46.0	3.0	3.0	-	49.0	43.2	5.8
03:25 AM - 03:30 AM	49.4	46.8	2.6	3.0	-	49.4	43.7	5.7
03:30 AM - 03:35 AM	48.5	46.3	2.2	4.5	-	47.0	43.5	3.5
03:35 AM - 03:40 AM	46.9	44.4	2.5	3.0	-	46.9	43.3	3.6
03:40 AM - 03:45 AM	47.8	44.3	3.5	2.0	-	47.8	43.2	4.6
03:45 AM - 03:50 AM	48.8	45.8	3.0	3.0	-	48.8	43.6	5.2
03:50 AM - 03:55 AM	49.9	46.2	3.7	2.0	-	49.9	44.4	5.5
03:55 AM - 04:00 AM	50.0	47.0	3.0	3.0	-	50.0	46.9	4.0

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Kasikorn Anet
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-13
Parameter : ฝุ่นละออง
Location : ทุ่นกักเก็บน้ำฝนในเขตสวน (GPS 40Q 277638, 1888807)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kumrat
Sound Level Meter : 222542

TESTING
No.0009
Lot ID: 23149352
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2907251-1

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ตารางข้อมูลเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย		การปรับค่า		เสียงรวม	ค่ารวม
			ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่ารวม		
04:00 AM - 04:05 AM	49.8	47.6	2.2	4.5	-	48.3	46.1	2.2
04:05 AM - 04:10 AM	49.0	46.5	2.5	3.0	-	49.0	45.4	3.6
04:10 AM - 04:15 AM	49.2	46.6	2.6	3.0	-	49.2	45.2	4.0
04:15 AM - 04:20 AM	49.2	46.7	2.5	3.0	-	49.2	45.2	4.0
04:20 AM - 04:25 AM	49.8	47.6	2.2	4.5	-	48.3	46.1	2.2
04:25 AM - 04:30 AM	48.7	46.8	1.9	4.5	-	47.2	45.4	1.8
04:30 AM - 04:35 AM	49.5	47.0	2.5	3.0	-	49.5	45.3	4.2
04:35 AM - 04:40 AM	48.9	47.0	1.9	4.5	-	48.4	46.3	2.1
04:40 AM - 04:45 AM	49.0	46.7	2.3	4.5	-	49.5	45.4	4.1
04:45 AM - 04:50 AM	49.1	45.8	3.3	3.0	-	49.1	44.6	4.5
04:50 AM - 04:55 AM	48.6	45.6	3.0	3.0	-	48.6	44.2	4.4
04:55 AM - 05:00 AM	48.5	45.6	2.9	4.5	-	47.0	44.5	2.5
05:00 AM - 05:05 AM	47.6	44.9	2.7	3.0	-	47.6	43.2	4.4
05:05 AM - 05:10 AM	47.5	44.6	2.9	3.0	-	47.5	43.0	4.5
05:10 AM - 05:15 AM	47.5	44.1	3.4	3.0	-	47.5	42.8	4.7
05:15 AM - 05:20 AM	46.7	44.2	2.5	3.0	-	46.7	43.1	3.6
05:20 AM - 05:25 AM	47.5	42.6	4.9	1.5	-	49.0	41.7	7.3
05:25 AM - 05:30 AM	48.1	42.4	4.7	1.5	-	49.6	42.2	7.4
05:30 AM - 05:35 AM	48.1	44.5	3.6	2.0	-	49.1	42.4	6.7
05:35 AM - 05:40 AM	47.9	43.3	4.6	1.5	-	49.4	42.2	7.2
05:40 AM - 05:45 AM	47.9	44.6	3.3	2.0	-	47.9	43.5	4.4
05:45 AM - 05:50 AM	48.6	44.7	3.9	4.5	-	45.1	43.4	1.7
05:50 AM - 05:55 AM	45.1	44.3	0.8	7.0	-	41.1	43.6	-
05:55 AM - 06:00 AM	45.4	41.9	3.5	2.0	-	46.4	40.6	5.8
06:00 AM - 07:00 AM	48.3	46.5	1.8	4.5	38.0	-	44.6	-
07:00 AM - 08:00 AM	47.3	46.8	0.5	7.0	40.3	-	43.7	-
08:00 AM - 09:00 AM	45.9	43.8	2.1	7.0	39.8	-	39.5	-
09:00 AM - 10:00 AM	46.8	45.6	1.2	7.0	39.8	-	40.5	-
10:00 AM - 11:00 AM	44.8	44.7	0.1	7.0	37.8	-	37.9	-
11:00 AM - 12:00 PM	43.2	43.3	-0.1	7.0	37.2	-	37.2	-
12:00 PM - 01:00 PM	44.6	43.5	1.1	7.0	37.6	-	37.6	-
01:00 PM - 02:00 PM	46.2	46.4	0.2	7.0	39.2	-	42.7	-



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_BA Monitoring
Project Location :

Sample No. 23149352-14
Parameter เสร็จสมบูรณ์
Location บ้านนาโพธิ์/บ้านนาโพธิ์ (GPS 48Q 277618, 1884807)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathaporn Kunnasut
Sound Level Meter 225242



TESTING

No.0009

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 05, 2024
Report Number : 2907252-1

Page 2 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
17:40 AM - 17:45 AM	45.0	40.2	5.6	1.5	-	43.3	39.2	8.1	-
17:45 AM - 17:50 AM	45.5	40.4	5.1	1.5	-	44.0	39.1	7.9	-
17:50 AM - 17:55 AM	45.6	40.6	5.0	1.5	-	44.1	39.3	7.8	-
17:55 AM - 18:00 AM	46.0	41.2	4.8	1.5	-	44.5	39.4	6.1	-
18:00 AM - 18:05 AM	45.6	41.8	3.8	2.0	-	46.6	40.7	5.9	-
18:05 AM - 18:10 AM	46.4	42.9	3.5	2.0	-	47.4	41.7	5.7	-
18:10 AM - 18:15 AM	46.0	43.2	2.8	2.0	-	46.0	42.1	3.9	-
18:15 AM - 18:20 AM	46.5	42.7	3.8	1.5	-	47.0	41.1	5.9	-
18:20 AM - 18:25 AM	46.6	42.9	3.7	1.5	-	47.1	41.3	5.8	-
18:25 AM - 18:30 AM	45.9	42.7	3.2	2.0	-	45.9	41.2	4.7	-
18:30 AM - 18:35 AM	45.4	42.0	3.4	2.0	-	45.4	41.4	4.0	-
18:35 AM - 18:40 AM	46.1	43.5	2.6	2.0	-	46.1	41.8	4.3	-
18:40 AM - 18:45 AM	46.0	43.9	2.1	1.5	-	44.5	42.5	2.0	-
18:45 AM - 18:50 AM	46.5	44.0	0.5	2.0	-	46.5	42.3	4.2	-
18:50 AM - 18:55 AM	45.9	42.0	3.9	1.5	-	45.4	41.1	4.3	-
18:55 AM - 19:00 AM	43.2	42.7	0.5	2.0	-	39.2	41.1	-1.9	-
19:00 AM - 19:05 AM	43.5	41.3	2.2	4.5	-	42.0	40.2	1.8	-
19:05 AM - 19:10 AM	46.0	41.6	4.4	4.5	-	44.5	41.3	3.2	-
19:10 AM - 19:15 AM	46.9	44.8	2.1	4.5	-	45.4	43.5	1.9	-
19:15 AM - 19:20 AM	47.5	46.6	0.9	2.0	-	47.5	44.2	-3.2	-
19:20 AM - 19:25 AM	47.4	46.5	0.9	2.0	-	47.4	44.5	-2.9	-
19:25 AM - 19:30 AM	48.6	46.6	2.0	4.5	-	47.1	45.1	2.0	-
19:30 AM - 19:35 AM	47.4	47.0	0.4	2.0	-	47.4	45.0	-2.4	-
19:35 AM - 19:40 AM	47.2	46.2	1.0	2.0	-	47.2	44.2	-3.0	-
19:40 AM - 19:45 AM	46.9	46.6	0.3	2.0	-	46.9	44.0	-2.9	-
19:45 AM - 19:50 AM	46.7	44.9	1.8	4.5	-	45.2	43.4	1.8	-
19:50 AM - 19:55 AM	47.3	47.3	0.0	1.5	-	47.3	44.8	2.5	-
19:55 AM - 20:00 AM	45.0	42.0	3.0	1.0	-	45.0	41.0	4.0	-
20:00 AM - 20:05 AM	45.8	41.8	4.0	2.0	-	45.8	40.6	5.2	-
20:05 AM - 20:10 AM	44.6	42.3	2.3	4.5	-	43.1	40.5	2.6	-
20:10 AM - 20:15 AM	44.6	41.4	3.2	4.5	-	43.1	40.4	2.7	-
20:15 AM - 20:20 AM	43.9	41.7	2.2	4.5	-	42.4	40.8	1.6	-
20:20 AM - 20:25 AM	44.4	41.6	2.8	1.0	-	44.4	40.7	3.7	-
20:25 AM - 20:30 AM	44.6	41.1	3.5	1.0	-	44.6	41.2	3.4	-
20:30 AM - 20:35 AM	44.8	41.3	3.5	1.0	-	44.8	41.4	3.4	-
20:35 AM - 20:40 AM	44.2	40.3	3.9	2.0	-	43.2	38.9	4.3	-
20:40 AM - 20:45 AM	45.0	40.0	5.0	1.5	-	45.0	39.0	6.0	-
20:45 AM - 20:50 AM	45.6	41.0	4.6	1.0	-	45.6	40.4	5.2	-
20:50 AM - 20:55 AM	45.5	41.3	4.2	4.5	-	44.8	40.2	4.6	-
20:55 AM - 21:00 AM	46.2	41.8	4.4	4.5	-	46.2	42.7	3.5	-

The above results are valid only for the sound level meter used and are not to be used for any other purpose without written consent from the laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any damage or loss caused by the use of the above results.

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_BA Monitoring
Project Location :

Sample No. 23149352-14
Parameter เสร็จสมบูรณ์
Location บ้านนาโพธิ์/บ้านนาโพธิ์ (GPS 48Q 277618, 1884807)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathaporn Kunnasut
Sound Level Meter 225242



TESTING

No.0009

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Feb 05, 2024
Report Number : 2907252-1

Page 3 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ	ค่าปรับ
04:00 AM - 04:05 AM	45.7	44.3	1.4	2.0	-	43.7	43.1	-0.6	-
04:05 AM - 04:10 AM	46.3	44.4	1.9	4.5	-	44.8	43.1	1.7	-
04:10 AM - 04:15 AM	45.7	45.3	0.4	2.0	-	43.7	43.9	-0.2	-
04:15 AM - 04:20 AM	45.1	44.6	0.5	2.0	-	41.1	43.1	-2.0	-
04:20 AM - 04:25 AM	44.6	42.3	2.3	3.0	-	44.8	43.0	1.8	-
04:25 AM - 04:30 AM	44.4	41.8	2.6	3.0	-	44.4	40.3	4.1	-
04:30 AM - 04:35 AM	44.5	41.1	3.4	3.0	-	44.5	39.9	4.6	-
04:35 AM - 04:40 AM	45.4	39.9	5.5	1.5	-	46.9	38.4	8.5	-
04:40 AM - 04:45 AM	45.5	41.7	3.8	2.0	-	46.5	40.2	6.3	-
04:45 AM - 04:50 AM	44.5	40.6	3.9	2.0	-	45.5	39.4	6.1	-
04:50 AM - 04:55 AM	43.7	39.6	4.1	2.0	-	46.7	38.4	8.3	-
04:55 AM - 05:00 AM	41.8	42.2	-0.4	2.0	-	37.8	40.7	-2.9	-
05:00 AM - 05:05 AM	47.2	39.0	8.2	3.0	-	42.2	39.1	3.1	-
05:05 AM - 05:10 AM	43.5	38.8	4.7	1.5	-	45.0	37.8	7.2	-
05:10 AM - 05:15 AM	44.2	39.8	4.4	2.0	-	45.2	38.7	6.5	-
05:15 AM - 05:20 AM	43.1	38.6	4.5	1.5	-	44.6	37.1	7.5	-
05:20 AM - 05:25 AM	43.5	38.6	4.9	1.5	-	45.0	36.7	8.3	-
05:25 AM - 05:30 AM	43.0	37.4	5.6	1.5	-	44.5	36.3	8.2	-
05:30 AM - 05:35 AM	44.5	36.5	7.9	0.5	-	47.0	35.4	11.6	-
05:35 AM - 05:40 AM	43.5	36.5	7.0	1.5	-	45.0	37.5	7.5	-
05:40 AM - 05:45 AM	43.5	38.2	5.3	1.5	-	45.0	37.8	7.2	-
05:45 AM - 05:50 AM	43.1	38.1	5.0	1.5	-	45.0	36.5	8.5	-
05:50 AM - 05:55 AM	43.5	37.4	6.1	1.5	-	45.0	36.3	8.7	-
05:55 AM - 06:00 AM	42.9	40.8	2.1	4.5	-	41.4	38.4	3.0	-
06:00 AM - 06:05 AM	47.8	43.9	3.9	2.0	-	45.8	-	-	-
06:05 AM - 06:10 AM	46.9	45.9	1.0	2.0	-	46.0	-	-	-
06:10 AM - 06:15 AM	49.0	47.9	1.1	2.0	-	48.0	-	-	-
06:15 AM - 06:20 AM	46.8	46.2	0.6	2.0	-	46.6	-	-	-
06:20 AM - 06:25 AM	46.8	44.3	2.5	2.0	-	47.2	-	-	-
06:25 AM - 06:30 AM	45.1	44.5	0.6	2.0	-	45.9	-	-	-
06:30 AM - 06:35 AM	49.2	48.8	0.4	2.0	-	49.2	-	-	-
06:35 AM - 06:40 AM	48.8	45.9	2.9	3.0	-	49.6	-	-	-

Reference Method :
1. In-situ method : STN 66-001 based on ISO 1996-1 : 2016
2. In-situ method : STN 66-001 based on ISO 1996-1 : 2016

3. In-situ method : STN 66-001 based on ISO 1996-1 : 2016
4. In-situ method : STN 66-001 based on ISO 1996-1 : 2016

5. In-situ method : STN 66-001 based on ISO 1996-1 : 2016
6. In-situ method : STN 66-001 based on ISO 1996-1 : 2016

The above results are valid only for the sound level meter used and are not to be used for any other purpose without written consent from the laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any damage or loss caused by the use of the above results.

Approved by

Kasol Phol
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_BA Monitoring
Project Location :

Sample No. 23149352-15
Parameter เสร็จสมบูรณ์
Location บ้านนาโพธิ์/บ้านนาโพธิ์ (GPS 48Q 277954, 1883230)
Measurement Date Jan 22 - 23, 2024
Measurement by Nathaporn Kunnasut
Sound Level Meter 00371916



TESTING

No.0009

Lot ID: 23149352
Date Received Jan 31, 2024
Date Reported Jul 05, 2024
Report Number : 2907253-1Rev No.1

Page 1 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับ	เสียงที่เสียงรวมหลังการปรับค่า	เสียงที่เสียงรวมหลังการปรับค่า	ค่าปรับ	ค่าปรับ
07:00 AM - 07:05 AM	56.9	51.3	5.6	1.5	-	55.4	47.4	8.0	-
07:05 AM - 07:10 AM	56.1	51.0	5.1	1.5	-	54.6	45.5	9.1	-
07:10 AM - 07:15 AM	56.7	50.4	6.3	0.5	-	56.2	45.0	11.2	-
07:15 AM - 07:20 AM	52.9	47.6	5.3	1.5	-	51.4	43.1	8.3	-
07:20 AM - 07:25 AM	54.9	50.2	4.7	1.5	-	47.4	42.4	5.0	-
07:25 AM - 07:30 AM	56.8	54.8	2.0	2.0	-	56.8	45.1	11.7	-
07:30 AM - 07:35 AM	52.6	48.4	4.2	2.0	-	50.6	42.3	8.3	-
07:35 AM - 07:40 AM	53.6	56.7	6.9	0.5	-	55.1	52.5	2.6	-
07:40 AM - 07:45 AM	61.8	55.0	6.8	1.5	-	59.3	50.6	8.7	-
07:45 AM - 07:50 AM	54.5	54.1	0.4	2.0	-	47.5	43.2	4.3	-
07:50 AM - 07:55 AM	56.7	62.2	5.5	2.0	-	49.7	46.8	2.9	-
07:55 AM - 08:00 AM	57.8	60.0	2.2	1.5	-	52.3	48.6	3.7	-
08:00 AM - 08:05 AM	54.3	48.7	5.6	1.5	-	52.8	45.3	7.5	-
08:05 AM - 08:10 AM	53.9	49.0	4.9	1.5	-	52.4	45.3	7.1	-
08:10 AM - 08:15 AM	54.0	49.3	4.7	1.5	-	53.5	43.1	10.4	-
08:15 AM - 08:20 AM	53.9	46.3	7.6	0.5	-	56.4	43.9	12.5	-
08:20 AM - 08:25 AM	52.4	47.8	4.6	1.5	-	51.9	43.6	8.3	-
08:25 AM - 08:30 AM	54.8	48.4	6.4	1.5	-	56.2	44.6	11.6	-
08:30 AM - 08:35 AM	52.3	46.4	5.9	1.5	-	53.8	43.4	10.4	-
08:35 AM - 08:40 AM	51.8	46.8	5.0	1.5	-	51.3	43.3	8.0	-
08:40 AM - 08:45 AM	52.5	46.0	6.5	1.0	-	54.5	41.9	12.6	-
08:45 AM - 08:50 AM	52.9	46.7	6.2	1.5	-	51.9	42.7	9.2	-
08:50 AM - 08:55 AM	51.4	46.3	5.1	1.5	-	54.1	43.1	11.0	-
08:55 AM - 09:00 AM	49.3	47.0	2.3	4.5	-	47.0	44.2	2.8	-
09:00 AM - 09:05 AM	52.1	45.8	6.3	1.5	-	52.1	42.3	9.8	-
09:05 AM - 09:10 AM	52.2	45.8	6.4	1.5	-	52.2	42.3	9.9	-
09:10 AM - 09:15 AM	53.3	47.3	6.0	1.5	-	54.8	43.9	10.9	-
09:15 AM - 09:20 AM	50.8	46.3	4.5	1.5	-	52.2	43.9	8.3	-
09:20 AM - 09:25 AM	52.8	46.8	5.9	1.5	-	52.1	43.1	9.0	-
09:25 AM - 09:30 AM	50.5	43.3	7.2	1.0	-	52.5	37.7	14.8	-
09:30 AM - 09:35 AM	50.0	43.5	6.5	1.0	-	52.0	37.4	15.6	-
09:35 AM - 09:40 AM	48.5	44.3	4.2	2.0	-	49.5	43.1	6.4	-
09:40 AM - 09:45 AM	48.2	44.3	3.9	2.0	-	48.2	42.2	6.0	-
09:45 AM - 09:50 AM	49.9	47.6	2.2	4.3	-	47.6	42.2	5.4	-
09:50 AM - 09:55 AM	48.0	46.5	1.5	4.5	-	46.5	43.1	3.4	-
09:55 AM - 10:00 AM	43.1	43.1	0.0	6.3	-	46.8	26.7	20.2	-
10:00 AM - 10:05 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:05 AM - 10:10 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:10 AM - 10:15 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:15 AM - 10:20 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:20 AM - 10:25 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:25 AM - 10:30 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:30 AM - 10:35 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:35 AM - 10:40 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:40 AM - 10:45 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:45 AM - 10:50 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:50 AM - 10:55 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-
10:55 AM - 11:00 AM	40.0	43.0	3.0	1.0	-	41.8	38.5	3.3	-



Analysis / Test Report



Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Let ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number : 2907253-1Rev.No.1

Page 2 of 3

Sample No. : 23149352-15
Parameter : เสียงรบกวน
Location : โรงโม่แป้งหินทราย (GPS 48Q 279654, 1889320)
Measurement Date : Jan 22 - 24, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะการวัด	ค่าเสียง (dB(A))		ค่าเสียงเฉลี่ย	ค่าเสียงสูงสุด	ค่าเสียงต่ำสุด
			ค่าเสียง	ค่าเสียง			
07:25 AM - 08:30 AM	48.3	42.4	5.9	1.5	-	49.8	39.3
08:30 AM - 09:35 AM	49.7	41.2	8.5	0.5	-	52.9	37.9
09:35 AM - 10:40 AM	47.1	42.1	5.0	1.5	-	48.6	35.0
10:40 AM - 11:45 AM	48.7	43.2	5.5	0.5	-	51.2	36.5
11:45 AM - 12:50 PM	48.2	41.9	6.3	1.5	-	49.7	36.0
12:50 PM - 01:55 PM	48.7	39.3	9.4	0.5	-	51.2	34.4
01:55 PM - 04:00 PM	51.3	41.2	10.0	0.5	-	53.7	35.7
04:00 PM - 04:55 PM	50.3	44.5	5.8	1.5	-	51.8	37.6
04:55 PM - 04:10 AM	48.4	43.7	4.7	1.5	-	50.9	37.7
04:10 AM - 04:15 AM	48.8	41.4	7.4	1.0	-	50.8	36.1
04:15 AM - 04:20 AM	48.9	41.5	7.4	0.5	-	51.9	36.9
04:20 AM - 04:25 AM	50.6	40.8	9.8	0.5	-	53.1	37.5
04:25 AM - 04:30 AM	51.2	44.0	7.2	1.0	-	53.2	40.5
04:30 AM - 04:35 AM	48.3	44.3	4.0	1.5	-	50.4	40.4
04:35 AM - 04:40 AM	50.3	42.9	7.4	1.0	-	52.3	39.7
04:40 AM - 04:45 AM	51.1	43.6	7.5	0.5	-	53.6	37.8
04:45 AM - 04:50 AM	50.8	44.2	4.4	1.0	-	52.8	38.5
04:50 AM - 04:55 AM	49.2	43.2	6.0	1.5	-	50.7	39.5
04:55 AM - 05:00 AM	50.6	42.6	8.0	0.5	-	53.1	39.1
05:00 AM - 05:05 AM	51.9	43.3	8.6	0.5	-	54.4	39.2
05:05 AM - 05:10 AM	51.9	45.4	3.5	1.5	-	52.9	41.7
05:10 AM - 05:15 AM	51.2	43.9	7.3	1.0	-	53.2	39.7
05:15 AM - 05:20 AM	50.5	43.7	6.8	1.0	-	52.5	40.3
05:20 AM - 05:25 AM	52.4	43.1	9.3	0.5	-	54.5	38.1
05:25 AM - 05:30 AM	54.3	45.1	9.2	0.5	-	56.8	40.3
05:30 AM - 05:35 AM	50.5	46.7	3.9	2.0	-	51.5	39.6
05:35 AM - 05:40 AM	50.9	42.2	8.7	0.5	-	53.4	39.7
05:40 AM - 05:45 AM	51.3	43.9	7.4	0.5	-	54.0	39.7
05:45 AM - 05:50 AM	51.6	43.9	7.7	0.5	-	54.1	39.8
05:50 AM - 05:55 AM	52.3	44.5	7.8	0.5	-	54.8	40.6
05:55 AM - 06:00 AM	51.8	45.5	3.7	1.5	-	53.3	41.5
06:00 AM - 07:00 AM	53.8	49.0	4.8	1.5	52.3	-	43.7

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567

Note : This Analysis test report is reduced to supercede report No. 2907253-1, Date Reported : Feb 09, 2024 due to revise sample information.

Approved by

Kanokorn Anek
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Let ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number : 2907254-1Rev.No.1

Page 1 of 3

Sample No. : 23149352-16
Parameter : เสียงรบกวน
Location : โรงโม่แป้งหินทราย (GPS 48Q 279654, 1889320)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะการวัด	ค่าเสียง (dB(A))		ค่าเสียงเฉลี่ย	ค่าเสียงสูงสุด	ค่าเสียงต่ำสุด
			ค่าเสียง	ค่าเสียง			
07:00 AM - 08:00 AM	56.0	51.9	4.1	2.0	54.0	-	45.9
08:00 AM - 09:00 AM	55.8	53.7	2.1	0.5	-	55.3	51.8
09:00 AM - 10:00 AM	56.6	52.0	4.6	1.5	53.3	-	45.1
10:00 AM - 11:00 AM	56.4	53.7	2.7	2.0	53.4	-	45.9
11:00 AM - 12:00 PM	56.6	50.3	-2.7	2.0	49.6	-	48.2
12:00 PM - 01:00 PM	56.9	50.6	-2.7	2.0	49.9	-	47.3
01:00 PM - 02:00 PM	56.4	55.0	1.4	7.0	49.4	-	44.7
02:00 PM - 03:00 PM	55.7	50.8	4.9	1.5	54.2	-	44.5
03:00 PM - 04:00 PM	54.8	49.3	5.5	1.5	53.4	-	44.7
04:00 PM - 05:00 PM	55.2	50.9	4.3	2.0	53.2	-	45.5
05:00 PM - 06:00 PM	56.4	51.1	-1.7	7.0	52.4	-	49.0
06:00 PM - 07:00 PM	56.6	50.6	-1.0	7.0	49.6	-	45.8
07:00 PM - 08:00 PM	52.0	46.3	5.7	1.5	49.5	-	42.5
08:00 PM - 09:00 PM	51.9	45.3	6.6	1.0	50.9	-	40.9
09:00 PM - 10:00 PM	51.3	45.1	6.2	1.5	49.8	-	39.4
10:00 PM - 11:00 PM	49.7	46.0	3.7	2.0	-	50.7	40.1
11:00 PM - 12:00 PM	50.4	44.3	6.1	1.5	-	51.9	40.1
12:00 PM - 01:00 PM	50.4	46.6	7.8	0.5	-	52.9	37.8
01:00 PM - 02:00 PM	44.1	42.9	10.2	0.5	-	50.6	37.1
02:00 PM - 03:00 PM	49.9	47.4	2.5	3.0	-	49.9	40.5
03:00 PM - 04:00 PM	51.0	43.7	7.3	1.0	-	53.0	39.1
04:00 PM - 05:00 PM	50.0	44.2	5.8	1.5	-	51.5	38.6
05:00 PM - 06:00 PM	46.5	43.2	3.3	1.5	-	50.0	39.7
06:00 PM - 07:00 PM	52.0	41.9	10.1	0.5	-	54.5	37.5
07:00 PM - 08:00 PM	50.3	44.5	5.8	1.5	-	51.8	40.1
08:00 PM - 09:00 PM	47.5	42.6	4.9	1.5	-	54.0	39.1
09:00 PM - 10:00 PM	48.7	44.9	3.8	2.0	-	49.7	40.8
10:00 PM - 11:00 PM	49.2	40.7	8.5	0.5	-	51.7	37.6
11:00 PM - 12:00 PM	50.7	42.9	7.8	0.5	-	53.3	39.3
12:00 PM - 01:00 PM	49.6	41.8	7.8	1.5	-	51.1	39.2
01:00 PM - 02:00 PM	50.1	42.0	8.1	0.5	-	52.6	35.8
02:00 PM - 03:00 PM	48.7	43.2	5.5	1.5	-	50.2	37.5
03:00 PM - 04:00 PM	51.3	42.8	8.5	1.5	-	50.6	38.8
04:00 PM - 05:00 PM	46.0	41.0	5.0	1.5	-	47.5	37.3
05:00 PM - 06:00 PM	47.2	41.1	6.1	1.0	-	49.2	36.1
06:00 PM - 07:00 PM	47.9	41.5	6.4	1.5	-	49.4	37.6
07:00 PM - 08:00 PM	46.8	39.9	7.0	1.0	-	48.8	35.2
08:00 PM - 09:00 PM	45.5	40.1	5.4	0.5	-	52.0	36.9
09:00 PM - 10:00 PM	47.9	42.9	5.0	1.0	-	49.7	35.5
10:00 PM - 11:00 PM	50.4	40.9	9.5	0.5	-	52.9	36.2

Approved by

Kanokorn Anek
Senior Manager

ADDRESS 104 Phatthana Road, Phatthana Road, Kaset Phol Sugar Co., Ltd. 9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Let ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number : 2907254-1Rev.No.1

Page 2 of 3

Sample No. : 23149352-16
Parameter : เสียงรบกวน
Location : โรงโม่แป้งหินทราย (GPS 48Q 279654, 1889320)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะการวัด	ค่าเสียง (dB(A))		ค่าเสียงเฉลี่ย	ค่าเสียงสูงสุด	ค่าเสียงต่ำสุด
			ค่าเสียง	ค่าเสียง			
12:05 AM - 12:10 AM	50.7	43.5	7.2	1.0	-	52.7	38.9
12:10 AM - 12:15 AM	49.0	43.6	5.4	1.5	-	50.5	36.7
12:15 AM - 12:20 AM	48.4	42.1	6.3	1.5	-	48.9	34.4
12:20 AM - 12:25 AM	46.0	39.9	6.1	1.5	-	47.5	34.2
12:25 AM - 12:30 AM	47.5	39.8	7.7	0.5	-	50.0	35.4
12:30 AM - 12:35 AM	50.9	40.5	10.4	0.5	-	53.4	36.3
12:35 AM - 12:40 AM	47.2	41.0	6.2	1.0	-	48.2	35.7
12:40 AM - 12:45 AM	43.9	41.9	4.0	2.0	-	46.9	37.5
12:45 AM - 12:50 AM	48.5	39.8	8.7	0.5	-	51.0	37.7
12:50 AM - 12:55 AM	48.4	41.3	7.1	1.0	-	50.4	36.4
12:55 AM - 01:00 AM	48.9	42.3	6.6	1.0	-	50.8	36.0
01:00 AM - 01:05 AM	51.3	41.3	10.0	0.5	-	53.9	37.6
01:05 AM - 01:10 AM	49.4	44.6	4.6	1.5	-	50.9	37.7
01:10 AM - 01:15 AM	51.3	42.7	8.6	0.5	-	53.8	38.0
01:15 AM - 01:20 AM	49.5	44.4	5.1	1.5	-	51.0	37.4
01:20 AM - 01:25 AM	48.2	42.6	5.6	1.5	-	48.7	35.4
01:25 AM - 01:30 AM	48.4	41.7	6.7	1.0	-	50.6	34.8
01:30 AM - 01:35 AM	49.1	47.2	1.9	4.5	-	47.6	35.7
01:35 AM - 01:40 AM	50.3	42.6	7.7	0.5	-	52.8	35.3
01:40 AM - 01:45 AM	51.2	43.9	7.3	1.0	-	53.2	37.8
01:45 AM - 01:50 AM	51.6	42.3	9.3	0.5	-	54.1	34.4
01:50 AM - 01:55 AM	50.8	43.8	6.2	1.5	-	51.5	34.1
01:55 AM - 02:00 AM	48.5	42.6	5.9	1.5	-	50.0	37.8
02:00 AM - 02:05 AM	51.7	41.4	10.3	0.5	-	54.2	39.3
02:05 AM - 02:10 AM	50.9	44.8	6.1	1.5	-	52.4	38.9
02:10 AM - 02:15 AM	49.7	43.5	6.2	1.5	-	51.2	38.3
02:15 AM - 02:20 AM	47.9	42.9	5.0	1.5	-	49.4	34.4
02:20 AM - 02:25 AM	50.2	40.6	9.6	0.5	-	52.7	33.5
02:25 AM - 02:30 AM	49.4	43.3	4.1	1.5	-	50.9	36.3
02:30 AM - 02:35 AM	49.9	45.4	4.5	1.5	-	51.4	35.7
02:35 AM - 02:40 AM	49.9	43.0	6.9	1.0	-	51.9	38.0
02:40 AM - 02:45 AM	50.5	42.0	8.0	0.5	-	53.0	39.2
02:45 AM - 02:50 AM	51.0	40.8	10.2	1.0	-	53.0	38.7
02:50 AM - 02:55 AM	48.9	43.7	5.2	1.5	-	50.4	37.7
02:55 AM - 03:00 AM	51.7	41.5	10.2	0.5	-	54.2	35.3
03:00 AM - 03:05 AM	53.1	43.2	7.9	0.5	-	55.6	38.9
03:05 AM - 03:10 AM	51.5	42.7	8.8	1.5	-	53.0	40.5
03:10 AM - 03:15 AM	48.9	46.0	2.9	3.0	-	48.9	31.1
03:15 AM - 03:20 AM	51.4	42.1	9.3	0.5	-	53.9	38.3
03:20 AM - 03:25 AM	49.4	44.9	4.5	1.5	-	50.9	39.3

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567
- ข้อมูลที่ได้มาจากการวัดเสียงรบกวน : ค่าที่ได้มาจากการวัดเสียงรบกวนทั้งหมดเป็นค่าเฉลี่ย 24 ชั่วโมง และค่าที่ได้มาจากการวัดเสียงรบกวนที่จุดตรวจวัด ณ วันที่ 25/01/2567

Note

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number: 2907259-1Rev.0.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149352-21
Parameter : (เสียงรบกวน)
Location : โรงโม่หินห้วยหมาก (GPS 48Q 279654, 1049320)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Hathaporn Kumsat
Sound Level Meter : 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยทิศทาง	ทิศทางเสียงรบกวน	ค่าเสียงรบกวน	พื้นที่อาศัยของชุมชนโดยรอบ		เสียงรบกวน	ค่าเสียงรบกวน
					ค่าเสียงรบกวน	ค่าเสียงรบกวน		
07:00 AM - 08:00 AM	53.6	50.3	3.3	3.0	50.4	-	45.2	5.4
08:00 AM - 09:00 AM	54.7	49.8	4.9	1.5	50.2	-	44.5	8.7
09:00 AM - 10:00 AM	53.7	48.8	5.0	1.5	50.2	-	43.8	8.4
10:00 AM - 11:00 AM	53.8	48.0	5.8	1.5	50.3	-	43.8	6.5
11:00 AM - 12:00 PM	55.1	48.9	6.2	1.5	50.6	-	44.8	8.8
12:00 PM - 01:00 PM	55.7	49.0	6.7	1.0	54.7	-	45.6	9.1
01:00 PM - 02:00 PM	55.1	49.2	5.9	1.5	50.6	-	45.4	6.2
02:00 PM - 03:00 PM	54.9	49.4	5.5	1.5	50.4	-	45.3	8.1
03:00 PM - 04:00 PM	56.5	52.4	4.2	2.0	54.6	-	46.8	7.8
04:00 PM - 05:00 PM	59.4	51.7	7.7	0.5	58.9	-	47.2	11.7
05:00 PM - 06:00 PM	60.7	52.9	9.8	0.5	60.2	-	46.5	13.7
06:00 PM - 07:00 PM	55.6	49.0	6.6	1.0	54.6	-	45.6	9.0
07:00 PM - 08:00 PM	55.3	48.9	6.4	1.5	50.8	-	45.7	8.1
08:00 PM - 09:00 PM	54.6	48.0	6.6	1.0	50.6	-	45.0	8.6
09:00 PM - 10:00 PM	54.4	49.6	4.8	1.5	52.9	-	43.3	9.8
10:00 PM - 10:55 PM	53.7	44.2	8.5	0.5	-	55.2	37.8	17.4
10:55 PM - 10:10 PM	52.3	43.8	8.5	0.5	-	54.8	40.1	14.7
10:10 PM - 10:15 PM	50.8	46.0	6.8	1.0	-	54.8	40.9	12.8
10:15 PM - 10:20 PM	52.3	45.2	7.0	1.0	-	54.2	41.3	12.9
10:20 PM - 10:25 PM	53.1	46.2	6.9	1.0	-	55.1	41.2	13.9
10:25 PM - 10:30 PM	52.0	46.8	5.2	1.5	-	53.5	40.0	11.5
10:30 PM - 10:35 PM	51.8	45.8	6.0	1.5	-	53.3	40.8	12.5
10:35 PM - 10:40 PM	53.1	44.8	8.3	0.5	-	55.6	40.9	14.7
10:40 PM - 10:45 PM	52.1	46.8	7.3	0.5	-	54.6	40.7	13.9
10:45 PM - 10:50 PM	53.9	46.0	5.0	1.5	-	53.4	41.5	11.9
10:50 PM - 10:55 PM	50.4	46.0	4.4	2.0	-	51.4	41.5	8.9
10:55 PM - 11:00 PM	53.8	42.7	9.1	0.5	-	54.3	39.5	14.8
11:00 PM - 11:05 PM	52.4	45.1	7.3	1.0	-	54.4	40.8	12.4
11:05 PM - 11:10 PM	50.6	45.5	5.1	1.5	-	52.1	41.4	18.7
11:10 PM - 11:15 PM	51.6	44.7	6.9	1.0	-	53.6	41.6	13.0
11:15 PM - 11:20 PM	51.8	45.6	6.2	1.5	-	53.4	41.4	12.0
11:20 PM - 11:25 PM	53.9	45.5	8.4	1.5	-	53.4	40.1	13.0
11:25 PM - 11:30 PM	49.7	45.4	4.3	2.0	-	50.7	40.3	10.4
11:30 PM - 11:35 PM	52.8	44.2	8.6	1.5	-	53.3	39.8	16.1
11:35 PM - 11:40 PM	51.1	44.3	7.0	1.0	-	53.1	39.8	14.5
11:40 PM - 11:45 PM	51.1	46.3	4.8	1.5	-	52.6	41.5	11.1
11:45 PM - 11:50 PM	49.5	43.2	6.3	1.5	-	51.0	39.6	12.0
11:50 PM - 11:55 PM	50.9	44.0	6.9	1.0	-	51.5	39.9	11.6
11:55 PM - 12:00 AM	48.4	43.6	4.8	1.5	-	49.9	39.6	11.3
12:00 AM - 12:05 AM	46.9	42.3	4.6	1.5	-	48.4	39.0	10.4

Approved by:
Kanokorn Anok
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number: 2907259-1Rev.0.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149352-21
Parameter : (เสียงรบกวน)
Location : โรงโม่หินห้วยหมาก (GPS 48Q 279654, 1049320)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Hathaporn Kumsat
Sound Level Meter : 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยทิศทาง	ทิศทางเสียงรบกวน	ค่าเสียงรบกวน	พื้นที่อาศัยของชุมชนโดยรอบ		เสียงรบกวน	ค่าเสียงรบกวน
					ค่าเสียงรบกวน	ค่าเสียงรบกวน		
12:05 AM - 12:10 AM	50.1	41.4	8.7	0.5	-	50.6	37.1	13.5
12:10 AM - 12:15 AM	50.1	43.5	6.6	1.0	-	52.1	38.7	13.4
12:15 AM - 12:20 AM	48.8	43.0	5.8	1.5	-	50.3	38.1	12.2
12:20 AM - 12:25 AM	49.5	41.3	8.2	0.5	-	52.0	35.5	15.5
12:25 AM - 12:30 AM	51.1	40.3	7.8	0.5	-	51.6	37.3	16.3
12:30 AM - 12:35 AM	49.0	43.7	5.3	1.5	-	50.5	37.7	11.5
12:35 AM - 12:40 AM	49.1	44.6	4.7	1.5	-	50.8	38.7	11.1
12:40 AM - 12:45 AM	49.5	42.7	6.8	1.0	-	51.5	37.3	14.2
12:45 AM - 12:50 AM	54.3	42.8	11.5	0.5	-	56.8	37.9	17.9
12:50 AM - 12:55 AM	47.2	41.7	5.5	1.0	-	49.7	37.1	12.5
12:55 AM - 01:00 AM	48.7	42.7	6.0	1.5	-	50.2	36.0	14.2
01:00 AM - 01:05 AM	47.9	42.4	5.5	1.5	-	49.4	35.3	14.1
01:05 AM - 01:10 AM	50.0	41.9	8.1	0.5	-	52.5	35.7	16.7
01:10 AM - 01:15 AM	48.3	43.9	4.4	2.0	-	49.3	36.6	12.7
01:15 AM - 01:20 AM	47.1	42.9	4.2	2.0	-	48.1	36.6	11.5
01:20 AM - 01:25 AM	48.2	41.9	6.3	1.5	-	49.7	35.6	16.1
01:25 AM - 01:30 AM	55.5	42.6	7.9	0.5	-	53.0	36.0	15.0
01:30 AM - 01:35 AM	51.8	41.7	10.1	0.5	-	54.3	36.4	17.9
01:35 AM - 01:40 AM	48.3	46.4	1.9	4.5	-	46.8	37.0	8.8
01:40 AM - 01:45 AM	50.3	42.6	7.7	0.5	-	52.8	36.4	16.4
01:45 AM - 01:50 AM	48.4	43.2	5.2	1.5	-	49.5	36.2	13.7
01:50 AM - 01:55 AM	51.3	42.6	8.7	0.5	-	52.8	36.3	15.3
01:55 AM - 02:00 AM	49.2	44.4	4.8	1.5	-	50.7	36.1	11.6
02:00 AM - 02:05 AM	47.7	43.5	4.2	1.5	-	51.3	40.3	10.9
02:05 AM - 02:10 AM	50.1	43.0	7.1	1.0	-	52.1	38.9	13.2
02:10 AM - 02:15 AM	49.4	43.6	5.8	1.5	-	50.9	37.4	13.1
02:15 AM - 02:20 AM	51.2	44.0	7.2	1.0	-	53.2	38.8	14.4
02:20 AM - 02:25 AM	49.8	43.5	6.3	1.5	-	51.9	37.2	14.1
02:25 AM - 02:30 AM	50.3	42.0	8.3	0.5	-	52.8	35.6	17.2
02:30 AM - 02:35 AM	47.5	43.5	3.9	2.0	-	48.1	37.9	10.6
02:35 AM - 02:40 AM	49.7	44.3	5.4	1.5	-	51.3	38.9	12.9
02:40 AM - 02:45 AM	49.4	43.1	6.3	1.5	-	50.9	35.4	15.0
02:45 AM - 02:50 AM	47.9	42.7	5.2	1.5	-	50.3	38.7	11.8
02:50 AM - 02:55 AM	49.3	41.9	7.4	1.5	-	49.8	38.4	10.1
02:55 AM - 03:00 AM	51.2	40.4	10.8	0.5	-	53.7	31.2	18.9
03:00 AM - 03:05 AM	48.6	44.4	4.2	2.0	-	49.1	38.6	10.1
03:05 AM - 03:10 AM	49.5	44.0	4.5	1.5	-	51.0	38.5	12.5
03:10 AM - 03:15 AM	50.5	43.1	7.4	1.0	-	52.5	39.7	12.8
03:15 AM - 03:20 AM	50.8	44.8	6.0	1.5	-	52.3	39.9	12.4
03:20 AM - 03:25 AM	49.0	43.8	5.2	1.5	-	49.0	43.8	1.4

Approved by:
Kanokorn Anok
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report Number: 2907259-1Rev.0.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149352-21
Parameter : (เสียงรบกวน)
Location : โรงโม่หินห้วยหมาก (GPS 48Q 279654, 1049320)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Hathaporn Kumsat
Sound Level Meter : 00371915

เวลา	มาตรฐาน (dB(A))				พื้นที่อาศัยของชุมชนโดยรอบ ค่าเสียง	เสียงรบกวน ค่าเสียง	ค่าเสียง มาตรฐาน
	เสียงจาก แหล่งกำเนิด	เสียงรบกวน โดยทิศทาง	ทิศทางเสียง รบกวน	ค่าเสียง			
03:25 AM - 03:30 AM	51.6	47.5	4.0	1.5	53.1	43.3	9.8
03:30 AM - 03:35 AM	52.1	46.8	5.3	3.0	-	52.1	45.0
03:35 AM - 03:40 AM	50.9	46.0	4.9	1.4	7.0	-	44.6
03:40 AM - 03:45 AM	50.6	45.7	4.9	1.5	45.2	-	41.6
03:45 AM - 03:50 AM	48.8	43.4	5.4	1.5	-	50.3	39.7
03:50 AM - 03:55 AM	50.3	43.0	7.3	1.0	-	52.3	37.9
03:55 AM - 04:00 AM	52.6	42.7	9.9	0.5	-	55.1	37.9
04:00 AM - 04:05 AM	51.3	45.4	5.9	1.5	-	52.8	40.4
04:05 AM - 04:10 AM	49.3	44.7	4.6	1.5	-	50.8	41.5
04:10 AM - 04:15 AM	49.3	43.9	5.4	1.5	-	50.8	38.8
04:15 AM - 04:20 AM	51.1	45.7	5.4	1.0	-	52.8	40.1
04:20 AM - 04:25 AM	51.8	45.8	6.0	2.0	-	52.8	40.1
04:25 AM - 04:30 AM	49.8	46.6	3.2	2.0	-	49.8	45.5
04:30 AM - 04:35 AM	49.6	46.8	2.8	1.5	-	51.1	39.7
04:35 AM - 04:40 AM	49.8	46.8	3.0	1.5	-	51.1	40.6
04:40 AM - 04:45 AM	50.8	47.7	7.1	1.0	-	52.8	39.8
04:45 AM - 04:50 AM	51.1	43.1	7.8	0.5	-	51.6	38.5
04:50 AM - 04:55 AM	51.6	44.4	7.2	1.5	-	53.5	38.3
04:55 AM - 05:00 AM	51.4	44.4	7.0	0.5	-	54.8	39.5
05:00 AM - 05:05 AM	52.7	45.3	7.4	1.0	-	54.7	41.0
05:05 AM - 05:10 AM	51.6	52.6	-0.9	7.0	-	47.5	40.2
05:10 AM - 05:15 AM	51.6	52.6	-0.9	7.0	-	47.5	40.2
05:15 AM - 05:20 AM	50.6	52.6	-0.9	7.0	-	47.5	40.2
05:20 AM - 05:25 AM	50.9	49.5	1.4	1.0	-	46.9	40.2
05:25 AM - 05:30 AM	50.9	49.5	1.4	1.0	-	46.9	40.2
05:30 AM - 05:35 AM	51.8	49.5	2.3	1.5	-	53.7	42.4
05:35 AM - 05:40 AM	52.8	49.8	3.0	2.0	-	54.3	42.4
05:40 AM - 05:45 AM	53.1	49.1	4.0	0.5	-	57.5	44.2
05:45 AM - 05:50 AM	53.3	51.8	1.5	1.0	-	57.3	46.2
05:50 AM - 05:55 AM	53.3	51.8	1.5	1.0	-	57.3	46.2
05:55 AM - 06:00 AM	52.8	50.1	2.7	3.0	-	52.8	45.3
06:00 AM - 07:00 AM	54.9	54.6	0.3	7.0	47.9	-	51.9



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-25
Parameter : เสียงรบกวน
Location : โรงน้ำตาล (GPS 48Q 276924, 7847971)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Natthapon Komasut
Sound Level Meter : 00371915



TESTING

No.0009
Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907263-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย (dB(A))		ค่าเฉลี่ยรวม	ค่ามาตรฐาน
			ค่าเฉลี่ย	ค่าเฉลี่ย		
07:00 AM - 08:00 AM	52.4	42.8	4.6	1.5	50.9	50.9
08:00 AM - 09:00 AM	47.7	49.0	-1.3	7.0	46.7	46.7
09:00 AM - 10:00 AM	50.4	48.2	2.2	4.5	45.9	45.9
10:00 AM - 11:00 AM	50.2	49.2	1.0	7.0	43.2	43.2
11:00 AM - 12:00 PM	48.7	45.1	3.6	7.0	46.7	46.7
12:00 PM - 01:00 PM	49.0	40.3	7.7	6.5	47.5	47.5
01:00 PM - 02:00 PM	51.4	42.2	6.2	6.5	50.9	50.9
02:00 PM - 03:00 PM	47.5	46.7	0.8	7.0	44.5	44.5
03:00 PM - 04:00 PM	48.8	44.3	4.5	1.5	47.3	47.3
04:00 PM - 05:00 PM	45.5	46.1	-0.6	7.0	35.5	35.5
05:00 PM - 06:00 PM	46.7	45.6	1.1	7.0	39.7	39.7
06:00 PM - 07:00 PM	45.0	40.8	4.2	7.0	43.0	43.0
07:00 PM - 08:00 PM	44.7	36.8	-10.1	7.0	37.7	37.7
08:00 PM - 09:00 PM	41.9	47.4	-5.5	7.0	24.9	24.9
09:00 PM - 10:00 PM	40.2	45.1	-2.9	7.0	33.2	33.2
10:00 PM - 11:00 PM	39.5	49.9	-10.4	7.0	35.5	35.5
11:00 PM - 12:00 PM	39.1	45.4	-2.3	7.0	35.1	35.1
12:00 PM - 01:00 PM	40.6	39.5	1.1	7.0	42.6	42.6
01:00 PM - 02:00 PM	39.6	41.0	-1.4	7.0	34.6	34.6
02:00 PM - 03:00 PM	39.4	40.4	-1.0	7.0	35.4	35.4
03:00 PM - 04:00 PM	39.3	40.7	-1.4	7.0	35.3	35.3
04:00 PM - 05:00 PM	39.1	40.1	-1.0	7.0	35.1	35.1
05:00 PM - 06:00 PM	38.7	41.8	-3.1	7.0	34.7	34.7
06:00 PM - 07:00 PM	39.9	38.5	-1.6	7.0	35.9	35.9
07:00 PM - 08:00 PM	40.9	37.6	3.3	7.0	38.3	38.3
08:00 PM - 09:00 PM	40.2	35.9	-10.7	7.0	36.2	36.2
09:00 PM - 10:00 PM	42.3	38.2	4.1	7.0	43.3	43.3
10:00 PM - 11:00 PM	41.6	39.4	2.2	7.0	37.6	37.6
11:00 PM - 12:00 PM	42.2	42.8	-0.6	7.0	38.2	38.2
12:00 PM - 01:00 PM	42.4	38.9	3.5	7.0	43.4	43.4
01:00 PM - 02:00 PM	41.3	37.6	3.7	1.5	41.8	41.8
02:00 PM - 03:00 PM	40.1	37.5	2.6	7.0	42.6	42.6
03:00 PM - 04:00 PM	41.9	39.7	2.2	4.5	40.4	40.4
04:00 PM - 05:00 PM	41.1	38.5	2.6	7.0	41.1	41.1
05:00 PM - 06:00 PM	41.3	38.7	2.6	7.0	41.3	41.3
06:00 PM - 07:00 PM	40.6	37.6	3.0	7.0	40.6	40.6
07:00 PM - 08:00 PM	40.9	38.7	2.2	4.5	39.4	39.4
08:00 PM - 09:00 PM	42.5	38.3	4.2	7.0	43.5	43.5
09:00 PM - 10:00 PM	41.9	39.0	2.9	7.0	41.9	41.9
10:00 PM - 11:00 PM	41.8	40.8	-1.0	7.0	37.8	37.8

Approved by

Kasat Phol
Kasat Phol
Senior Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suk Lung, Bangkok 10250 Thailand / P.O. Box 466 0 2760 3000 / FAX: +66 0 2760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-25
Parameter : เสียงรบกวน
Location : โรงน้ำตาล (GPS 48Q 276924, 7847971)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Natthapon Komasut
Sound Level Meter : 00371915



TESTING

No.0009
Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907263-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย (dB(A))		ค่าเฉลี่ยรวม	ค่ามาตรฐาน
			ค่าเฉลี่ย	ค่าเฉลี่ย		
12:05 AM - 12:15 AM	42.8	38.0	4.8	2.0	43.0	43.0
12:15 AM - 12:25 AM	41.8	39.1	2.7	3.0	41.8	41.8
12:25 AM - 12:35 AM	40.3	37.5	2.8	3.0	40.3	40.3
12:35 AM - 12:45 AM	39.3	35.5	3.8	7.0	35.3	35.3
12:45 AM - 12:55 AM	39.7	39.2	0.5	7.0	35.7	35.7
12:55 AM - 01:05 AM	40.3	39.7	0.6	7.0	35.3	35.3
01:05 AM - 01:15 AM	39.4	37.7	1.7	4.5	37.5	37.5
01:15 AM - 01:25 AM	39.4	36.6	2.8	2.0	39.2	39.2
01:25 AM - 01:35 AM	40.6	36.6	4.0	2.0	41.6	41.6
01:35 AM - 01:45 AM	40.2	38.9	1.3	7.0	38.2	38.2
01:45 AM - 01:55 AM	39.5	38.3	1.2	7.0	38.3	38.3
01:55 AM - 02:05 AM	39.7	37.7	2.0	4.5	38.2	38.2
02:05 AM - 02:15 AM	39.6	38.5	1.1	7.0	35.6	35.6
02:15 AM - 02:25 AM	37.0	40.0	-17.0	6.0	36.0	36.0
02:25 AM - 02:35 AM	43.9	37.0	6.9	1.5	45.9	45.9
02:35 AM - 02:45 AM	39.0	35.0	4.0	3.0	39.0	39.0
02:45 AM - 02:55 AM	40.7	36.8	3.9	2.0	41.7	41.7
02:55 AM - 03:05 AM	40.6	35.7	4.9	1.5	40.1	40.1
03:05 AM - 03:15 AM	39.1	38.5	0.6	7.0	35.1	35.1
03:15 AM - 03:25 AM	39.1	38.6	0.5	7.0	35.1	35.1
03:25 AM - 03:35 AM	38.8	38.0	0.8	7.0	34.8	34.8
03:35 AM - 03:45 AM	39.0	41.3	-2.3	7.0	35.0	35.0
03:45 AM - 03:55 AM	39.5	44.2	-4.7	7.0	35.5	35.5
03:55 AM - 04:05 AM	40.7	41.8	-1.1	7.0	40.7	40.7
04:05 AM - 04:15 AM	39.3	40.5	-1.2	7.0	35.3	35.3
04:15 AM - 04:25 AM	39.5	38.1	1.4	7.0	35.5	35.5
04:25 AM - 04:35 AM	39.2	38.2	1.0	7.0	35.2	35.2
04:35 AM - 04:45 AM	39.7	37.6	2.1	4.5	38.7	38.7
04:45 AM - 04:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
04:55 AM - 05:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:05 AM - 05:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:15 AM - 05:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:25 AM - 05:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:35 AM - 05:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:45 AM - 05:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
05:55 AM - 06:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:05 AM - 06:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:15 AM - 06:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:25 AM - 06:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:35 AM - 06:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:45 AM - 06:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
06:55 AM - 07:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:05 AM - 07:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:15 AM - 07:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:25 AM - 07:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:35 AM - 07:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:45 AM - 07:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
07:55 AM - 08:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:05 AM - 08:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:15 AM - 08:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:25 AM - 08:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:35 AM - 08:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:45 AM - 08:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
08:55 AM - 09:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:05 AM - 09:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:15 AM - 09:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:25 AM - 09:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:35 AM - 09:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:45 AM - 09:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
09:55 AM - 10:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:05 AM - 10:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:15 AM - 10:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:25 AM - 10:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:35 AM - 10:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:45 AM - 10:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
10:55 AM - 11:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:05 AM - 11:15 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:15 AM - 11:25 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:25 AM - 11:35 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:35 AM - 11:45 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:45 AM - 11:55 AM	40.2	38.6	1.6	4.5	39.7	39.7
11:55 AM - 12:05 AM	40.2	38.6	1.6	4.5	39.7	39.7
12:05 AM - 12:15 AM	40.2	38.6	1.6	4.5	39.7	39.7

Approved by

Kasat Phol
Kasat Phol
Senior Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suk Lung, Bangkok 10250 Thailand / P.O. Box 466 0 2760 3000 / FAX: +66 0 2760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149352-25
Parameter : เสียงรบกวน
Location : โรงน้ำตาล (GPS 48Q 276924, 7847971)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Natthapon Komasut
Sound Level Meter : 00371915



TESTING

No.0009
Lot ID: 23149352
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907263-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	ค่าเฉลี่ย (dB(A))		ค่าเฉลี่ยรวม	ค่ามาตรฐาน
			ค่าเฉลี่ย	ค่าเฉลี่ย		
03:25 AM - 03:35 AM	42.6	41.1	1.5	4.5	40.1	40.1
03:35 AM - 03:45 AM	39.6	37.7	1.9	4.5	38.1	38.1
03:45 AM - 03:55 AM	39.7	37.9	1.8	7.0	38.2	38.2
03:55 AM - 04:05 AM	39.3	38.3	1.0	7.0	35.3	35.3
04:05 AM - 04:15 AM	38.3	38.3	0.0	7.0	34.3	34.3
04:15 AM - 04:25 AM	38.8	38.4	0.4	7.0	34.8	34.8
04:25 AM - 04:35 AM	44.7	40.9	3.8	7.0	45.7	45.7
04:35 AM - 04:45 AM	40.9	38.7	2.2	4.5	39.4	39.4
04:45 AM - 04:55 AM	39.9	39.6	0.3	7.0	35.9	35.9
04:55 AM - 05:05 AM	39.6	37.7	1.9	4.5	38.1	38.1
05:05 AM - 05:15 AM	41.8	37.3	4.5	1.5	43.3	43.3
05:15 AM - 05:25 AM	40.1	40.1	0.0	7.0	35.1	35.1
05:25 AM - 05:35 AM	40.3	40.4	-0.1	7.0	35.3	35.3
05:35 AM - 05:45 AM	41.9	41.3	0.6	7.0	37.9	37.9
05:45 AM - 05:55 AM	41.0	41.8	-0.8	7.0	37.0	37.0
05:55 AM - 06:05 AM	41.5	39.9	1.6	7.0	38.4	38.4

Analysis / Test Report

Client : Kasetsart Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	23149352-26
Parameter	เหล็กปนทราย
Location	ตุ๊กตาหิน (GPS 48Q 276924, 7887971)
Measurement Date	Jan 26 - 27, 2024
Measurement by	Nathapon Kunnasut
Sound Level Meter	06371915

TESTING
No.0009
9352
Jan 31, 2024
Feb 09, 2024
r : 2907264-1

Page 2 of 3

1988	តារាងទិន្នន័យ (GB/A)					ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ
	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ	ស្ថានភាពប្រព័ន្ធបណ្តាញ ស្រាវជ្រាវ						
12:05 AM - 12:10 AM	46.4	35.6	9.8	0.5	-	48.9	32.6	15.3			
12:10 AM - 12:15 AM	46.9	55.5	-8.6	1.1	-	42.9	33.8	9.1			
12:15 AM - 12:20 AM	46.8	47.1	-0.3	2.8	-	42.8	33.8	9.0			
12:20 AM - 12:25 AM	46.9	35.8	5.5	2.5	-	42.4	33.9	8.5			
12:25 AM - 12:30 AM	52.2	45.5	10.7	0.5	-	54.7	32.4	22.3			
12:30 AM - 12:35 AM	50.4	34.8	15.6	0.0	-	53.4	31.7	21.7			
12:35 AM - 12:40 AM	45.2	39.1	2.1	4.5	-	39.7	33.8	5.9			
12:40 AM - 12:45 AM	45.7	34.7	8.0	2.0	-	43.2	30.9	14.3			
12:45 AM - 12:50 AM	41.6	37.8	3.8	6.0	-	42.6	31.6	11.0			
12:50 AM - 12:55 AM	41.4	34.0	7.4	1.0	-	42.4	28.9	14.5			
1:55 AM - 01:00 AM	42.1	37.8	4.5	6.5	-	43.6	32.4	11.2			
01:00 AM - 01:05 AM	42.1	35.8	6.6	1.0	-	44.4	32.9	11.5			
01:05 AM - 01:10 AM	42.4	33.4	9.0	0.5	-	44.9	29.7	15.2			
01:10 AM - 01:15 AM	41.3	36.6	4.7	1.5	-	42.8	31.3	11.5			
01:15 AM - 01:20 AM	41.5	30.7	10.8	1.5	-	43.0	32.3	10.7			
01:20 AM - 01:25 AM	41.4	30.2	5.2	1.5	-	43.9	30.6	13.3			
01:25 AM - 01:30 AM	42.4	36.7	5.7	1.5	-	43.9	31.8	12.1			
01:30 AM - 01:35 AM	42.7	34.2	8.5	0.5	-	45.2	31.4	13.8			
01:35 AM - 01:40 AM	42.7	40.1	0.6	7.0	-	38.7	31.2	7.5			
01:40 AM - 01:45 AM	46.1	38.5	7.6	0.5	-	48.6	31.6	17.0			
01:45 AM - 01:50 AM	42.2	36.3	5.9	1.5	-	42.7	33.6	9.1			
01:50 AM - 01:55 AM	41.2	34.6	7.1	6.5	-	44.7	31.4	13.3			
01:55 AM - 02:00 AM	41.2	33.4	7.8	0.5	-	43.7	31.0	12.7			
02:00 AM - 02:05 AM	41.2	34.3	8.9	0.5	-	43.7	27.8	15.9			
02:05 AM - 02:10 AM	41.2	32.5	10.8	0.5	-	43.8	31.0	12.8			
02:10 AM - 02:15 AM	40.9	34.4	6.5	1.0	-	42.9	31.7	11.2			
02:15 AM - 02:20 AM	40.0	33.8	6.2	1.5	-	43.5	31.0	12.5			
02:20 AM - 02:25 AM	41.5	32.8	8.7	0.5	-	44.0	29.7	14.3			
02:25 AM - 02:30 AM	42.1	32.1	9.0	1.5	-	43.6	30.9	12.6			
02:30 AM - 02:35 AM	41.7	40.8	-1.1	7.0	-	39.7	31.5	8.2			
02:35 AM - 02:40 AM	40.3	38.1	2.2	4.5	-	38.8	32.1	6.7			
02:40 AM - 02:45 AM	41.2	33.8	5.1	1.5	-	42.4	31.5	10.9			
02:45 AM - 02:50 AM	39.7	35.5	4.2	3.0	-	40.7	32.4	8.3			
02:50 AM - 02:55 AM	41.1	34.8	6.3	1.5	-	42.6	31.2	11.4			
02:55 AM - 03:00 AM	41.1	34.9	6.3	1.5	-	41.6	29.9	11.7			
02:55 AM - 03:05 AM	41.4	39.1	7.7	1.5	-	40.9	33.3	9.6			
03:05 AM - 03:10 AM	43.3	35.5	6.8	1.0	-	44.3	30.0	14.3			
03:10 AM - 03:15 AM	44.7	39.2	5.5	1.5	-	46.2	25.4	18.8			
03:15 AM - 03:20 AM	43.9	39.1	39.9	1.5	-	46.1	24.2	24.4			
03:20 AM - 03:25 AM	43.3	39.7	3.6	2.0	-	42.3	35.2	7.1			

Approved by Kanokkorn Anel
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EJA Monitoring
Project Location :

Sample No.	23149352-27
Parameter	แก๊สคาร์บอน
Location	ท่าเรือ (GPS 46Q 276924, 7887971)
Measurement Date	Jan 27 - 28, 2024
Measurement by	Natthapon Kunasut
Sound Level Meter	00371915

TESTING
No.0009
49352
d :Jan 31, 202
d :Feb 09, 202
er : 2907265-1

ตารางเดินรถ (รถ(A))						
เที่ยว	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง
	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง	เส้นทาง
07:30 AM - 08:00 AM	12.1	42.2	6.3	1.3	52.0	41.4
08:00 AM - 09:00 AM	12.1	42.2	6.3	1.3	52.0	41.4
09:00 AM - 10:00 AM	09.4	46.7	1.3	1.0	46.4	37.9
10:00 AM - 11:00 AM	41.8	44.8	0.5	7.0	48.0	37.9
11:00 AM - 12:00 PM	41.8	44.8	1.3	2.0	42.0	37.9
12:00 PM - 01:00 PM	48.9	41.4	7.5	0.5	48.4	38.0
01:00 PM - 02:00 PM	47.7	43.2	4.4	2.0	43.7	38.2
02:00 PM - 03:00 PM	48.5	3.7	1.5	0.5	47.0	38.4
03:00 PM - 04:00 PM	47.6	42.0	3.6	1.5	46.1	35.5
04:00 PM - 05:00 PM	49.6	42.2	2.4	4.5	45.7	36.6
05:00 PM - 06:00 PM	48.7	47.0	2.7	3.0	46.3	36.9
06:00 PM - 07:00 PM	47.6	42.6	3.2	1.5	46.8	40.0
07:00 PM - 08:00 PM	32.8	42.4	8.4	0.5	33.3	39.9
08:00 PM - 09:00 PM	35.1	49.1	6.0	1.5	33.6	38.5
09:00 PM - 10:00 PM	41.8	42.7	6.3	0.5	42.3	40.7
10:00 PM - 10:30 PM	47.6	35.9	11.7	0.5	46.1	35.9
10:30 PM - 10:45 PM	48.5	37.8	10.7	0.5	47.0	34.6
10:45 PM - 10:55 PM	48.8	36.0	10.8	0.5	47.3	34.6
10:55 PM - 11:00 PM	48.8	32.6	16.2	0.5	46.3	32.6
11:00 PM - 11:15 PM	46.6	51.1	-4.5	7.0	46.1	35.1
11:15 PM - 11:30 PM	45.4	35.7	9.7	0.5	45.9	34.8
11:30 PM - 11:45 PM	46.3	38.1	8.2	0.5	46.1	34.5
11:45 PM - 12:00 PM	48.0	36.7	11.1	0.5	46.3	35.0
12:00 PM - 12:15 PM	46.2	37.9	8.3	0.5	46.7	34.7
12:15 PM - 12:30 PM	46.6	35.5	11.1	0.5	46.1	34.5
12:30 PM - 12:45 PM	47.5	37.8	0.9	0.5	46.8	34.5
12:45 PM - 1:00 PM	48.0	39.3	11.5	0.5	46.3	34.8
1:00 PM - 1:15 PM	43.8	36.2	7.6	0.5	46.3	34.8
1:15 PM - 1:30 PM	42.8	36.5	6.7	1.0	44.8	34.1
1:30 PM - 1:45 PM	42.4	36.8	5.6	1.0	44.9	34.8
1:45 PM - 1:55 PM	43.2	35.4	7.9	0.5	45.9	34.4
1:55 PM - 2:05 PM	41.1	35.8	5.3	1.5	45.6	34.4
2:05 PM - 2:15 PM	42.8	33.8	11.0	0.5	44.9	33.2
2:15 PM - 2:30 PM	41.0	33.2	7.8	0.5	43.5	31.2
2:30 PM - 2:45 PM	40.7	32.3	8.4	0.5	43.2	30.8
2:45 PM - 2:55 PM	42.7	32.8	8.9	0.5	45.1	28.9
2:55 PM - 3:00 PM	45.1	33.3	12.8	0.0	46.1	33.5
3:00 PM - 3:15 PM	51.7	47.6	4.7	1.5	53.2	32.7
3:15 PM - 3:30 PM	42.1	46.3	-4.2	2.0	38.1	32.7
3:30 PM - 3:45 PM	42.1	46.3	9.9	0.5	44.4	32.6

Approved by Kanolkorn Anek
Kanolkorn Anek
Finance Manager

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NIGHT SOLUTIONS NIGHT PARTNER



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	23149352-26
Parameter	การสั่นไหว
Location	ท่าอากาศยาน (GPS 48Q 276924, 7887971)
Measurement Date	Jan 26 - 27, 2024
Measurement by	Natthapon Kunnasut
Sound Level Meter	00371915

TESTING
No. 0009
1149352
Valid : Jan 31, 2024
Issued : Feb 09, 2024
Number : 2907264-1

วันที่	เริ่มงาน วัน-เดือน-ปี	เริ่มงาน เวลา-ชั่วโมง	ชาวต่างชาติ (SEA/AF)		ผู้ปฏิบัติงานจากหน่วยงานอื่น	เริ่มงานด้วย		จำนวน การขาดงาน	
			ชาว ต่างชาติ	ชาว AF		ชาว ต่างชาติ	ชาว AF		
03-23 AM	06:30 AM	40.8	35.9	3.9	2.0	-	41.8	33.6	8.2
03-24 AM	06:31 AM	41.6	37.6	4.0	2.0	-	42.6	32.2	10.4
03-25 AM	06:40 AM	40.9	35.2	5.7	1.5	-	42.4	22.7	11.7
03-26 AM	06:41 AM	40.1	37.4	2.7	2.0	-	40.5	22.7	8.4
03-27 AM	06:50 AM	40.6	38.2	2.4	4.5	-	39.1	35.2	3.9
03-28 AM	06:55 AM	41.3	38.4	2.9	3.0	-	41.3	24.1	7.2
03-29 AM	06:58 AM	41.2	36.1	5.1	2.0	-	40.2	23.2	17.0
04-02 AM	06:51 AM	40.0	36.1	3.9	1.5	-	43.5	33.4	10.1
04-03 AM	06:12 AM	41.0	36.2	6.8	1.8	-	45.0	32.4	12.6
04-04 AM	06:11 AM	42.5	33.6	8.9	2.0	-	44.5	22.5	11.6
04-14 AM	06:21 AM	42.8	40.4	0.4	2.0	-	38.8	25.6	2.2
04-15 AM	06:23 AM	42.3	66.9	-4.6	7.0	-	38.3	36.1	2.2
04-15 AM	06:38 AM	41.1	38.3	3.8	1.5	-	34.8	34.8	0.8
04-16 AM	06:31 AM	42.2	39.9	0.9	2.0	-	38.2	35.9	2.3
04-15 AM	06:42 AM	41.5	40.8	0.7	2.0	-	37.5	36.1	1.4
04-20 AM	06:48 AM	42.2	38.7	3.5	2.0	-	42.2	33.2	10.0
04-21 AM	06:50 AM	42.4	39.4	2.5	2.0	-	40.9	24.9	2.0
04-22 AM	06:51 AM	41.0	39.7	1.3	2.0	-	37.0	34.3	2.7
04-23 AM	07:00 AM	40.8	38.5	2.0	4.5	-	39.3	34.9	4.4
05-02 AM	07:13 AM	41.2	41.2	0.0	2.0	-	37.4	34.1	3.1
05-05 AM	07:15 AM	41.2	50.4	-11.2	2.0	-	38.2	35.9	2.3
05-10 AM	07:31 AM	40.6	41.1	0.5	2.0	-	38.6	37.3	1.3
05-11 AM	07:38 AM	42.7	46.9	1.4	2.0	-	39.3	38.2	6.1
05-12 AM	07:51 AM	42.1	41.1	2.8	1.1	-	38.1	37.8	0.3
05-13 AM	07:50 AM	42.7	39.9	3.8	2.0	-	44.7	37.6	7.1
05-14 AM	07:53 AM	42.2	38.1	4.1	2.0	-	42.2	35.6	2.6
05-15 AM	07:52 AM	41.3	41.3	0.0	1.5	-	38.6	36.4	2.2
05-16 AM	07:55 AM	41.1	44.9	0.2	4.0	-	41.1	37.2	3.9
05-15 AM	07:55 AM	41.9	41.8	1.9	4.5	-	42.4	35.9	6.5
05-17 AM	07:55 AM	41.5	41.5	0.0	2.0	-	44.9	37.4	7.5
05-18 AM	08:00 AM	38.7	40.4	8.3	0.5	-	53.2	39.0	14.2
06-00 AM	07:42 AM	32.7	50.8	2.7	0.0	68.7	-	42.2	2.5

Reference Method :

[illegible]

Approved by Kanokorn Anek
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	ZJ149J52-27
Parameter	เสียงรบกวน
Location	หน้าประตู (GPS: 48Q 276924, 7887971)
Measurement Date	Jan 27 - 28, 2024
Measurement by	Hathapon Kunnasut
Sound Level Meter	00371915

TESTING
No.0009
23149352
Received :Jan 31, 202
Reported :Feb 09, 202
Number : 2907265-

ເວລາ	ທຸກຄົນ (GB(A))					ປະສານສົມທຸລະທັດທັງສອງ		ເປັນກຸ່ມ	ກຳລັງ ກຸ່ມ
	ເປັນຈຸດ ແຕ່ລະຈຸດ	ເປັນຈຸດ ໂດຍກົງກັນ	ກຳລັງ ກຸ່ມ	ຄ່າປານ ກຸ່ມ	ຄ່າປານ ກຸ່ມ	ກຳລັງ ກຸ່ມ			
12:05 AM - 12:10 AM	41.1	37.1	4.0	2.0	-	40.1	30.5	10.6	
12:10 AM - 11:15 AM	41.1	43.4	-2.3	7.0	-	32.1	30.7	6.4	
12:15 AM - 12:20 AM	40.0	32.9	7.1	0.5	-	44.5	21.2	13.3	
12:20 AM - 12:25 AM	42.1	31.1	11.0	0.5	-	37.1	27.2	14.1	
12:25 AM - 12:30 AM	42.1	46.9	-5.7	7.0	-	37.2	35.5	6.7	
12:30 AM - 12:35 AM	54.2	35.5	18.7	0.0	-	51.2	33.0	26.3	
12:35 AM - 12:40 AM	51.8	37.6	14.2	0.0	-	50.8	31.5	23.3	
12:40 AM - 12:45 AM	40.0	36.4	4.4	2.0	-	41.6	31.3	10.3	
12:45 AM - 12:50 AM	41.1	33.1	8.0	0.5	-	43.6	28.7	14.9	
12:50 AM - 12:55 AM	40.7	43.5	-2.8	7.0	-	35.1	28.4	6.3	
12:55 AM - 01:00 AM	40.7	52.1	-12.2	7.0	-	36.1	27.2	6.9	
01:00 AM - 01:05 AM	40.6	34.0	6.6	1.0	-	42.6	29.2	13.4	
01:05 AM - 01:10 AM	40.2	43.2	-3.0	7.0	-	36.2	25.0	7.2	
01:10 AM - 01:15 AM	39.8	41.5	-1.7	7.0	-	35.8	21.4	4.4	
01:15 AM - 01:20 AM	40.2	37.0	3.0	-	-	40.2	32.6	7.6	
01:20 AM - 01:25 AM	41.0	40.4	7.4	1.0	-	43.4	31.3	12.1	
01:25 AM - 01:30 AM	40.5	42.7	-2.2	7.0	-	36.6	31.6	4.2	
01:30 AM - 01:35 AM	40.7	34.0	7.0	1.0	-	41.0	31.2	9.9	
01:35 AM - 01:40 AM	40.2	35.6	4.6	1.5	-	41.7	30.3	11.4	
01:40 AM - 01:45 AM	42.2	33.7	8.5	0.5	-	37.1	20.5	14.2	
01:45 AM - 01:50 AM	43.3	35.0	8.3	0.5	-	42.8	23.8	13.8	
01:50 AM - 01:55 AM	41.6	29.6	6.0	1.5	-	40.1	31.4	11.7	
01:55 AM - 02:00 AM	43.5	31.9	11.6	0.5	-	46.6	28.7	12.3	
02:00 AM - 02:05 AM	41.7	48.4	-6.7	7.0	-	37.3	33.5	4.2	
02:05 AM - 02:10 AM	40.7	32.5	8.1	0.5	-	39.2	32.1	7.2	
02:10 AM - 02:15 AM	40.3	22.7	7.6	0.5	-	40.8	29.9	12.9	
02:15 AM - 02:20 AM	40.4	31.4	9.0	0.5	-	42.9	32.2	11.8	
02:20 AM - 02:25 AM	40.9	23.3	7.6	0.5	-	40.4	26.1	12.6	
02:25 AM - 02:30 AM	40.4	35.9	4.6	1.5	-	41.6	30.7	10.9	
02:30 AM - 02:35 AM	39.9	35.1	4.8	1.5	-	41.4	31.3	10.1	
02:35 AM - 02:40 AM	23.5	23.2	6.3	1.5	-	41.6	29.4	11.6	
02:40 AM - 02:45 AM	39.4	32.3	7.1	1.0	-	42.2	31.3	10.9	
02:45 AM - 02:50 AM	40.1	31.1	6.9	0.5	-	41.8	29.3	12.1	
02:50 AM - 02:55 AM	39.8	33.1	6.7	1.0	-	42.4	29.8	12.0	
02:55 AM - 03:00 AM	39.7	22.7	7.0	1.0	-	39.7	29.1	12.9	
03:00 AM - 03:05 AM	41.1	38.6	7.5	0.5	-	42.6	31.5	11.1	
03:05 AM - 03:10 AM	40.2	33.1	7.1	1.0	-	42.2	31.2	11.0	
03:10 AM - 03:15 AM	41.1	24.4	8.8	0.5	-	40.7	20.1	12.6	
03:15 AM - 03:20 AM	40.4	32.5	7.8	0.5	-	41.6	29.6	12.2	
03:20 AM - 03:25 AM	40.1	32.5	9.5	0.5	-	41.6	25.7	12.0	

Approved by Kanokkorn Anek
Kanokkorn Anek
Senior Manager

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Analysis / Test Report



TESTING

No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23148610
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2907232-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23148610-1
Parameter : เสียงรบกวน
Location : โรงโม่และโรงคัดเกรด (GPS 40Q 279384, 1899169)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Hathaporn Kunnasut
Sound Level Meter : 00472124

เวลา	แหล่งกำเนิดเสียง (dB(A))					ค่าเฉลี่ย ค่าจริง	ค่าเฉลี่ย ค่าปรับ	ค่ารวม
	เสียงจาก ตัวเครื่อง	เสียงจาก สิ่งแวดล้อม	ค่าปรับ ตัวเครื่อง	ตัวเครื่อง	ตัวเครื่อง			
02:00 PM - 03:00 PM	53.6	52.7	-0.1	7.0	46.5	-	50.8	-4.2
03:00 PM - 04:00 PM	54.1	54.4	-0.3	7.0	47.1	-	51.3	-4.2
04:00 PM - 05:00 PM	54.2	55.1	-0.9	7.0	47.3	-	51.8	-4.6
05:00 PM - 06:00 PM	54.4	53.9	0.5	7.0	47.4	-	49.5	-2.1
06:00 PM - 07:00 PM	56.1	53.4	2.7	3.0	53.1	-	49.8	3.3
07:00 PM - 08:00 PM	54.4	52.7	1.7	4.5	49.6	-	49.6	0.0
08:00 PM - 09:00 PM	53.2	52.5	0.7	7.0	46.2	-	49.3	-3.1
09:00 PM - 10:00 PM	52.6	51.9	0.7	7.0	45.6	-	48.2	-2.6
10:00 PM - 11:00 PM	52.3	51.3	1.0	7.0	-	48.3	4.0	0.6
11:00 PM - 12:00 PM	51.3	51.7	-0.4	7.0	-	47.3	4.3	-1.0
12:00 PM - 01:00 PM	51.4	51.4	0.0	4.5	51.8	-	51.8	0.0
01:00 PM - 02:00 PM	51.7	52.2	-0.5	7.0	-	47.7	4.7	-1.5
02:00 PM - 03:00 PM	51.5	52.4	-1.1	7.0	-	49.5	4.0	1.5
03:00 PM - 04:00 PM	52.3	50.1	2.2	4.5	-	51.0	4.8	0.2
04:00 PM - 05:00 PM	51.4	50.2	1.2	7.0	-	47.4	4.1	0.3
05:00 PM - 06:00 PM	51.5	50.0	1.5	4.5	-	50.0	4.6	2.4
06:00 PM - 07:00 PM	51.2	50.5	0.7	7.0	-	48.2	4.9	0.3
07:00 PM - 08:00 PM	51.7	52.1	-0.4	7.0	-	47.3	4.0	0.2
08:00 PM - 09:00 PM	51.9	51.9	0.0	1.5	45.5	-	48.3	-2.8
09:00 PM - 10:00 PM	51.3	51.3	0.0	1.5	45.5	-	48.3	-2.8
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
10:00 PM - 11:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
11:00 PM - 12:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
12:00 PM - 01:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
01:00 PM - 02:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
02:00 PM - 03:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
03:00 PM - 04:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
04:00 PM - 05:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
05:00 PM - 06:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
06:00 PM - 07:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
07:00 PM - 08:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
08:00 PM - 09:00 PM	51.3	51.3	0.0	4.5	47.0	-	47.0	0.0
09:00 PM - 10:00 PM	51.3	51.3	0.					



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-2
Parameter : เสียงรบกวน
Location : บริเวณถนนใกล้ทางเข้าหมู่บ้าน (GPS 48Q 279384, 1889169)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathaporn Kumsat
Sound Level Meter : 00472124



TESTING

No.0009

Lot ID: 23148610
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907233-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน
Time	Source	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))
12:40 AM - 12:45 AM	44.9	46.6	-3.7	7.0	-	40.9	44.4
12:45 AM - 12:50 AM	44.6	47.2	-2.6	7.0	-	40.6	44.5
12:50 AM - 12:55 AM	46.3	47.1	-0.8	7.0	-	40.3	44.1
12:55 AM - 01:00 AM	47.5	46.1	-0.6	7.0	-	43.5	43.6
01:00 AM - 01:05 AM	44.5	49.1	-4.6	7.0	-	40.5	43.4
01:05 AM - 01:10 AM	44.9	47.1	-2.2	7.0	-	40.9	44.0
01:10 AM - 01:15 AM	45.8	48.6	-2.8	7.0	-	41.8	45.2
01:15 AM - 01:20 AM	47.4	51.1	-3.7	7.0	-	43.4	47.2
01:20 AM - 01:25 AM	46.7	49.7	-3.0	7.0	-	42.7	44.9
01:25 AM - 01:30 AM	46.1	47.9	-1.8	7.0	-	42.1	44.4
01:30 AM - 01:35 AM	45.4	47.0	-1.6	7.0	-	41.4	43.6
01:35 AM - 01:40 AM	45.9	48.6	-3.7	7.0	-	41.9	44.2
01:40 AM - 01:45 AM	47.6	48.2	-0.6	7.0	-	41.6	44.8
01:45 AM - 01:50 AM	49.7	49.7	-4.4	7.0	-	43.3	47.2
01:50 AM - 01:55 AM	44.5	48.2	-3.7	7.0	-	40.5	44.8
01:55 AM - 02:00 AM	47.9	48.1	-0.2	7.0	-	43.9	44.5
02:00 AM - 02:05 AM	45.8	49.0	-3.2	7.0	-	41.8	45.1
02:05 AM - 02:10 AM	47.5	48.7	-1.2	7.0	-	41.5	43.9
02:10 AM - 02:15 AM	46.4	49.7	-3.3	7.0	-	42.4	45.7
02:15 AM - 02:20 AM	46.8	49.8	-3.0	7.0	-	42.8	46.4
02:20 AM - 02:25 AM	46.7	47.8	-1.1	7.0	-	41.7	44.3
02:25 AM - 02:30 AM	45.8	50.4	-4.6	7.0	-	41.8	44.5
02:30 AM - 02:35 AM	47.0	49.8	-2.8	7.0	-	43.0	44.9
02:35 AM - 02:40 AM	45.2	49.0	-3.8	7.0	-	41.2	43.9
02:40 AM - 02:45 AM	45.6	49.2	-3.6	7.0	-	41.6	46.1
02:45 AM - 02:50 AM	46.1	49.8	-3.7	7.0	-	42.1	46.3
02:50 AM - 02:55 AM	47.7	50.1	-2.4	7.0	-	43.2	46.2
02:55 AM - 03:00 AM	45.7	49.0	-3.3	7.0	-	41.3	45.2
03:00 AM - 03:05 AM	47.1	48.4	-1.3	7.0	-	43.1	45.6
03:05 AM - 03:10 AM	50.6	52.4	-1.8	7.0	-	46.6	46.1
03:10 AM - 03:15 AM	47.7	48.9	-1.2	7.0	-	43.2	45.7
03:15 AM - 03:20 AM	45.9	48.8	-2.9	7.0	-	41.9	45.4
03:20 AM - 03:25 AM	47.9	51.3	-3.4	7.0	-	43.9	45.2
03:25 AM - 03:30 AM	49.9	49.0	-0.9	7.0	-	43.4	45.8
03:30 AM - 03:35 AM	47.4	49.1	-1.7	7.0	-	41.7	47.4
03:35 AM - 03:40 AM	48.7	50.0	-1.3	7.0	-	44.7	45.1
03:40 AM - 03:45 AM	48.0	48.8	-0.8	7.0	-	44.0	44.6
03:45 AM - 03:50 AM	47.7	51.2	-3.5	7.0	-	41.7	47.4
03:50 AM - 03:55 AM	46.8	48.5	-1.7	7.0	-	42.8	44.5
03:55 AM - 04:00 AM	46.1	48.9	-2.8	7.0	-	42.1	45.1

Approved by

Kanokorn Anek

Senior Manager

ADDRESS: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T: +66 0 2760 3000 F: +66 0 2760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-2
Parameter : เสียงรบกวน
Location : บริเวณถนนใกล้ทางเข้าหมู่บ้าน (GPS 48Q 279384, 1889169)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathaporn Kumsat
Sound Level Meter : 00472124



TESTING

No.0009

Lot ID: 23148610
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907233-1

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เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน	เสียงรบกวน
Time	Source	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))	Level (dB(A))
04:00 AM - 04:05 AM	47.5	50.2	-2.7	7.0	-	43.5	45.8
04:05 AM - 04:10 AM	46.6	49.1	-2.5	7.0	-	42.6	44.9
04:10 AM - 04:15 AM	46.1	49.5	-3.4	7.0	-	42.1	44.3
04:15 AM - 04:20 AM	45.5	48.4	-2.9	7.0	-	41.5	43.1
04:20 AM - 04:25 AM	46.5	49.4	-2.9	7.0	-	42.5	45.6
04:25 AM - 04:30 AM	46.2	49.5	-3.3	7.0	-	42.2	46.0
04:30 AM - 04:35 AM	47.2	50.0	-2.8	7.0	-	43.0	47.0
04:35 AM - 04:40 AM	47.6	50.4	-2.8	7.0	-	43.6	47.0
04:40 AM - 04:45 AM	48.6	49.3	-0.7	7.0	-	44.6	45.8
04:45 AM - 04:50 AM	51.1	52.5	-1.4	7.0	-	47.1	47.2
04:50 AM - 04:55 AM	48.8	52.4	-3.6	7.0	-	44.6	47.5
04:55 AM - 05:00 AM	46.9	49.8	-2.9	7.0	-	42.9	46.8
05:00 AM - 05:05 AM	47.4	50.4	-3.0	7.0	-	43.4	46.3
05:05 AM - 05:10 AM	48.1	50.5	-1.6	7.0	-	44.5	46.2
05:10 AM - 05:15 AM	48.2	50.4	-2.2	7.0	-	44.2	46.4
05:15 AM - 05:20 AM	47.8	49.8	-2.0	7.0	-	43.8	46.9
05:20 AM - 05:25 AM	48.2	49.6	-1.4	7.0	-	44.3	45.4
05:25 AM - 05:30 AM	47.8	50.5	-2.7	7.0	-	43.8	45.8
05:30 AM - 05:35 AM	49.1	50.4	-1.3	7.0	-	45.1	46.4
05:35 AM - 05:40 AM	49.1	52.1	-3.0	7.0	-	45.1	46.3
05:40 AM - 05:45 AM	47.9	51.1	-3.2	7.0	-	43.5	47.4
05:45 AM - 05:50 AM	49.4	51.9	-2.5	7.0	-	45.4	48.7
05:50 AM - 05:55 AM	48.1	50.8	-2.7	7.0	-	44.1	48.0
05:55 AM - 06:00 AM	49.8	52.3	-2.5	7.0	-	45.8	49.8
06:00 AM - 06:05 AM	54.7	52.4	-4.4	7.0	-	54.8	48.2
06:05 AM - 06:10 AM	54.7	53.6	-1.1	7.0	-	47.7	49.9
06:10 AM - 06:15 AM	53.1	54.0	-0.9	7.0	-	46.1	50.6
06:15 AM - 06:20 AM	54.1	55.3	-1.2	7.0	-	47.1	52.0
06:20 AM - 06:25 AM	54.7	55.1	-0.4	7.0	-	47.7	51.3
06:25 AM - 06:30 AM	55.7	54.8	0.9	7.0	-	48.7	51.5
06:30 AM - 06:35 AM	52.9	52.9	-1.1	7.0	-	43.8	48.7
06:35 AM - 06:40 AM	53.6	52.9	0.7	7.0	-	46.5	49.2
06:40 AM - 06:45 AM	53.6	52.9	0.7	7.0	-	46.5	49.2

Reference Method:

1. In-house method: STM 06-001 based on ISO 1996-1: 2016
2. วิธีการวัดเสียงรบกวน (ใน-ห้อง) ตามมาตรฐานวิธีวัดเสียงรบกวน 23-24 ตามมาตรฐานวิธีวัดเสียงรบกวนของกรมอนามัย พ.ศ. 2551
3. วิธีการวัดเสียงรบกวน (นอก-ห้อง) ตามวิธีวัดเสียงรบกวนของกรมอนามัย พ.ศ. 2551
4. วิธีการวัดเสียงรบกวน (นอก-ห้อง) ตามวิธีวัดเสียงรบกวนของกรมอนามัย พ.ศ. 2551
5. วิธีการวัดเสียงรบกวน (นอก-ห้อง) ตามวิธีวัดเสียงรบกวนของกรมอนามัย พ.ศ. 2551

Approved by

Kanokorn Anek

Senior Manager

ADDRESS: 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand T: +66 0 2760 3000 F: +66 0 2760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-3
Parameter : เสียงรบกวน
Location : บริเวณถนนใกล้ทางเข้าหมู่บ้าน (GPS 48Q 279384, 1889169)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Nathaporn Kumsat
Sound Level Meter : 00472124



TESTING

No.0009

Lot ID: 23148610
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907233-1

Page 1 of 3

ข้อมูลเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ค่าเฉลี่ย	ระดับเสียง	ระดับเสียงตามเกณฑ์มาตรฐาน	ระดับเสียงตามเกณฑ์มาตรฐาน
07:00 PM - 07:05 PM	52.4	54.1	-1.7	7.0	45.9	-
07:05 PM - 07:10 PM	53.0	54.9	-1.9	7.0	46.0	-
07:10 PM - 07:15 PM	52.6	56.1	-3.5	7.0	45.6	-
07:15 PM - 07:20 PM	53.2	54.2	-1.0	7.0	46.2	-
07:20 PM - 07:25 PM	53.5	53.5	0.0	7.0	52.5	-
07:25 PM - 07:30 PM	52.0	52.2	-0.2	7.0	43.0	-
07:30 PM - 07:35 PM	49.1	51.1	-2.0	7.0	42.1	-
07:35 PM - 07:40 PM	49.6	51.2	-1.6	7.0	42.6	-
07:40 PM - 07:45 PM	49.2	51.0	-1.8	7.0	-	45.7
07:45 PM - 07:50 PM	48.4	53.8	-5.4	7.0	-	44.4
07:50 PM - 07:55 PM	47.9	50.9	-3.0	7.0	-	41.9
07:55 PM - 08:00 PM	50.5	49.4	1.1	7.0	-	46.5
08:00 PM - 08:05 PM	47.8	50.1	-2.3	7.0	-	42.8
08:05 PM - 08:10 PM	51.6	49.5	2.1	4.5	-	50.1
08:10 PM - 08:15 PM	51.0	50.4	0.6	7.0	-	47.0
08:15 PM - 08:20 PM	52.6	51.1	1.5	4.5	-	51.1
08:20 PM - 08:25 PM	49.3	53.1	-3.8	7.0	-	45.3
08:25 PM - 08:30 PM	49.5	51.2	-1.7	7.0	-	45.9
08:30 PM - 08:35 PM	48.6	51.5	-2.9	7.0	-	44.4
08:35 PM - 08:40 PM	51.9	50.5	1.4	7.0	-	47.9
08:40 PM - 08:45 PM	48.1	49.8	-1.7	7.0	-	44.1
08:45 PM - 08:50 PM	47.6	51.6	-3.9	7.0	-	44.1
08:50 PM - 08:55 PM	47.9	49.3	-1.4	7.0	-	41.6
08:55 PM - 09:00 PM	48.4	50.3	-1.9	7.0	-	44.4
09:00 PM - 09:05 PM	47.6	51.0	-3.4	7.0	-	43.6
09:05 PM - 09:10 PM	47.1	49.8	-2.7	7.0	-	42.7
09:10 PM - 09:15 PM	46.3	49.1	-2.8	7.0	-	42.4
09:15 PM - 09:20 PM	46.0	49.4	-3.4	7.0	-	44.0
09:20 PM - 09:25 PM	47.1	49.1	-2.0	7.0	-	42.0
09:25 PM - 09:30 PM	46.3	49.1	-2.8	7.0	-	42.7
09:30 PM - 09:35 PM	46.0	49.4	-3.4	7.0	-	44.0
09:35 PM - 09:40 PM	46.3	49.1	-2.8	7.0	-	42.7
09:40 PM - 09:45 PM	46.0	49.4	-3.4	7.0	-	44.0
09:45 PM - 09:50 PM	46.3	49.1	-2.8	7.0	-	42.7
09:50 PM - 09:55 PM	46.0	49.4	-3.4	7.0	-	44.0
09:55 PM - 10:00 PM	46.3	49.1	-2.8	7.0	-	42.7
10:00 PM - 10:05 PM	46.0	49.4	-3.4	7.0	-	44.0
10:05 PM - 10:10 PM	46.3	49.1	-2.8	7.0	-	42.7
10:10 PM - 10:15 PM	46.0	49.4	-3.4	7.0	-	44.0
10:15 PM - 10:20 PM	46.3	49.1	-2.8	7.0	-	42.7
10:20 PM - 10:25 PM	46.0	49.4	-3.4	7.0	-	44.0
10:25 PM - 10:30 PM	46.3	49.1	-2.8	7.0	-	42.7
10:30 PM - 10:35 PM	46.0	49.4	-3.4	7.0	-	44.0
10:35 PM - 10:40 PM	46.3	49.1	-2.8	7.0	-	42.7
10:40 PM - 10:45 PM	46.0	49.4	-3.4	7.0	-	44.0
10:45 PM - 10:50 PM	46.3	49.1	-2.8	7.0	-	42.7
10:50 PM - 10:55 PM	46.0	49.4	-3.4	7.0	-	44.0
10:55 PM - 11:00 PM	46.3	49.1	-2.8	7.0	-	42.7
11:00 PM - 11:05 PM	46.0	49.4	-3.4	7.0	-	44.0
11:05 PM - 11:10 PM	46.3	49.1	-2.8	7.0	-	42.7
11:10 PM - 11:15 PM	46.0	49.4	-3.4	7.0	-	44.0
11:15 PM - 11:20 PM	46.3	49.1	-2.8	7.0	-	42.7
11:20 PM - 11:25 PM	46.0	49.4	-3.4	7.0	-	44.0
11:25 PM - 11:30 PM	46.3	49.1	-2.8	7.0	-	42.7
11:30 PM - 11:35 PM	46.0	49.4	-3.4	7.0	-	44.0
11:35 PM - 11:40 PM	46.3	49.1	-2.8	7.0	-	42.7
11:40 PM - 11:45 PM	46.0	49.4	-3.4	7.0	-	44.0
11:45 PM - 11:50 PM	46.3	49.1	-2.8	7.0	-	42.7
11:50 PM - 11:55 PM	46.0	49.4	-3.4	7.0	-	44.0
11:55 PM - 12:00 AM	46.3	49.1	-2.8	7.0	-	42.7
12:00 AM - 12:05 AM	46.0	49.4	-3.4	7.0	-	44.0
12:05 AM - 12:10 AM	46.3	49.1	-2.8	7.0	-	42.7
12:10 AM - 12:15 AM	46.0	49.4	-3.4	7.0	-	44.0
12:15 AM - 12:20 AM	46.3	49.1	-2.8	7.0	-	42.7
12:20 AM - 12:25 AM	46.0	49.4	-3.4	7.0	-	44.0
12:25 AM - 12:30 AM	46.3	49.1	-2.8	7.0	-	42.7
12:30 AM - 12:35 AM	46.0	49.4	-3.4	7.0	-	44.0
12:35 AM - 12:40 AM	46.3	49.1	-2.8	7.0	-	42.7
12:40 AM - 12:45 AM	46.0	49.4	-3.4	7.0	-	44.0
12:45 AM - 12:50 AM	46.3	49.1	-2.8	7.0	-	42.7
12:50 AM - 12:55 AM	46.0	49.4	-3.4	7.0	-	44.0
12:55 AM - 01:00 AM	46.3	49.1	-2.8	7.0	-	42.7



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-5
Parameter : เสียงรบกวน
Location : โรงโม่และคัดแยกน้ำตาลทราย (GPS 48Q 279384, 1885169)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00472124



TESTING

No 0009
Lot ID: 23148610
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907236-1

Page 1 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ	เสียงรวม	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ
07:00 PM - 07:30 PM	53.9	50.3	-5.5	7.0	46.9	-	-	50.9	-4.1
07:30 PM - 08:00 PM	53.0	50.6	-3.6	7.0	46.0	-	-	51.7	-5.2
08:00 PM - 08:30 PM	53.9	52.2	-2.3	7.0	46.9	-	-	51.1	-5.2
08:30 PM - 09:00 PM	53.3	52.6	-0.7	7.0	45.3	-	-	48.3	-3.0
09:00 PM - 09:30 PM	53.5	52.6	0.9	3.0	53.5	-	-	49.3	3.2
09:30 PM - 10:00 PM	53.3	52.6	-0.7	7.0	45.3	-	-	49.2	-3.9
10:00 PM - 10:30 PM	53.1	51.4	-1.7	7.0	45.1	-	-	47.7	-4.6
10:30 PM - 11:00 PM	49.6	51.5	-1.9	7.0	42.6	-	-	47.0	-5.3
11:00 PM - 11:30 PM	47.6	50.5	-2.9	7.0	-	43.6	-	47.6	-4.0
11:30 PM - 12:00 PM	47.9	52.1	-5.2	7.0	-	47.9	-	47.8	-3.5
12:00 PM - 12:30 PM	48.2	51.4	-3.2	7.0	-	48.2	-	47.7	-2.6
12:30 PM - 13:00 PM	47.3	50.3	-3.0	7.0	-	43.3	-	46.5	-3.2
13:00 PM - 13:30 PM	46.6	51.3	-4.7	7.0	-	42.8	-	46.4	-3.6
13:30 PM - 14:00 PM	45.9	52.0	-6.1	7.0	-	45.9	-	47.6	-5.7
14:00 PM - 14:30 PM	48.2	53.5	-5.3	7.0	-	48.2	-	47.2	-3.0
14:30 PM - 15:00 PM	48.8	51.1	-2.3	7.0	-	44.8	-	47.0	-2.2
15:00 PM - 15:30 PM	46.8	52.3	-5.5	7.0	-	46.8	-	46.5	-3.2
15:30 PM - 16:00 PM	46.7	50.6	-3.9	7.0	-	42.7	-	47.0	-4.3
16:00 PM - 16:30 PM	45.7	50.8	-5.1	7.0	-	43.7	-	47.2	-5.5
16:30 PM - 17:00 PM	46.0	50.5	-4.5	7.0	-	42.0	-	48.0	-6.0
17:00 PM - 17:30 PM	46.2	49.7	-3.5	7.0	-	42.7	-	46.8	-4.1
17:30 PM - 18:00 PM	46.2	50.2	-4.0	7.0	-	42.2	-	48.3	-6.1
18:00 PM - 18:30 PM	46.7	49.6	-2.9	7.0	-	42.7	-	47.1	-4.4
18:30 PM - 19:00 PM	49.1	51.6	-2.5	7.0	-	45.1	-	46.6	-1.5
19:00 PM - 19:30 PM	46.9	52.4	-5.5	7.0	-	46.9	-	47.5	-0.6
19:30 PM - 20:00 PM	48.8	50.1	-1.3	7.0	-	48.8	-	46.1	-2.7
20:00 PM - 20:30 PM	47.8	50.2	-2.4	7.0	-	47.8	-	47.2	-0.4
20:30 PM - 21:00 PM	47.8	50.2	-2.4	7.0	-	47.8	-	47.2	-0.4
21:00 PM - 21:30 PM	47.1	49.4	-2.3	7.0	-	47.1	-	46.7	-0.4
21:30 PM - 22:00 PM	44.4	51.8	-7.4	7.0	-	40.4	-	47.1	-6.7
22:00 PM - 22:30 PM	46.5	53.9	-7.4	7.0	-	42.5	-	46.8	-4.3
22:30 PM - 23:00 AM	45.3	49.5	-4.2	7.0	-	42.3	-	45.2	-7.1
23:00 AM - 12:00 AM	46.4	50.7	-4.3	7.0	-	42.4	-	46.7	-4.3
12:00 AM - 12:30 AM	47.0	49.6	-2.6	7.0	-	43.0	-	46.4	-3.4
12:30 AM - 13:00 AM	45.9	51.7	-5.8	7.0	-	43.9	-	47.3	-3.4
13:00 AM - 13:30 AM	46.1	50.0	-3.9	7.0	-	42.1	-	47.4	-5.3
13:30 AM - 14:00 AM	49.4	51.8	-2.4	7.0	-	45.4	-	46.8	-1.4
14:00 AM - 14:30 AM	49.8	53.6	-3.8	7.0	-	45.8	-	46.9	-1.1
14:30 AM - 15:00 AM	48.0	49.0	-1.0	7.0	-	42.8	-	46.8	-4.0
15:00 AM - 15:30 AM	49.0	49.7	-0.7	7.0	-	45.9	-	47.2	-1.3

Approved by

Kasikorn Anet
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-5
Parameter : เสียงรบกวน
Location : โรงโม่และคัดแยกน้ำตาลทราย (GPS 48Q 279384, 1885169)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00472124



TESTING

No 0009
Lot ID: 23148610
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907236-1

Page 2 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ	เสียงรวม	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ
17:45 AM - 18:15 AM	45.3	50.3	-5.0	7.0	-	45.3	-	48.1	-3.8
18:15 AM - 18:45 AM	46.9	50.8	-3.9	7.0	-	42.9	-	48.1	-5.2
18:45 AM - 19:15 AM	52.2	49.7	0.5	7.0	-	46.2	-	47.6	-1.4
19:15 AM - 19:45 AM	52.6	51.6	-1.0	7.0	-	46.0	-	48.0	-2.0
19:45 AM - 20:15 AM	52.3	52.3	0.0	7.0	-	46.9	-	48.0	-1.1
20:15 AM - 20:45 AM	46.5	52.4	-5.9	7.0	-	42.5	-	47.3	-4.8
20:45 AM - 21:15 AM	49.5	49.5	0.0	7.0	-	43.5	-	46.2	-2.7
21:15 AM - 21:45 AM	46.7	49.1	-2.4	7.0	-	42.7	-	46.1	-3.4
21:45 AM - 22:15 AM	47.8	50.0	-2.2	7.0	-	43.8	-	47.1	-3.3
22:15 AM - 22:45 AM	46.1	49.2	-3.1	7.0	-	42.1	-	47.3	-5.2
22:45 AM - 23:15 AM	47.2	49.8	-2.6	7.0	-	42.2	-	47.5	-5.3
23:15 AM - 23:45 AM	50.0	52.0	-2.0	7.0	-	46.0	-	48.0	-2.0
01:40 AM - 01:45 AM	45.4	52.1	-6.7	7.0	-	44.4	-	48.5	-4.1
01:45 AM - 01:50 AM	46.9	49.2	-2.3	7.0	-	42.9	-	47.2	-4.3
01:50 AM - 01:55 AM	46.7	51.7	-5.0	7.0	-	44.7	-	47.8	-3.1
01:55 AM - 02:00 AM	46.1	49.6	-3.5	7.0	-	42.1	-	46.9	-4.8
02:00 AM - 02:05 AM	51.0	52.5	-1.5	7.0	-	47.0	-	47.2	-0.2
02:05 AM - 02:10 AM	48.8	49.1	-0.3	7.0	-	44.8	-	46.5	-1.7
02:10 AM - 02:15 AM	48.0	49.1	-1.1	7.0	-	44.0	-	46.3	-2.3
02:15 AM - 02:20 AM	49.2	49.4	-0.2	7.0	-	43.2	-	47.0	-3.8
02:20 AM - 02:25 AM	47.0	51.8	-4.8	7.0	-	43.0	-	47.8	-4.8
02:25 AM - 02:30 AM	51.3	52.0	-0.7	7.0	-	42.3	-	44.9	-2.6
02:30 AM - 02:35 AM	50.2	47.4	2.8	3.0	-	50.2	-	44.3	5.9
02:35 AM - 02:40 AM	50.5	52.1	-1.6	7.0	-	46.5	-	46.9	-0.4
02:40 AM - 02:45 AM	52.7	52.6	0.1	7.0	-	43.1	-	48.0	-4.9
02:45 AM - 02:50 AM	46.0	49.4	-3.4	7.0	-	42.0	-	47.6	-5.6
02:50 AM - 02:55 AM	46.8	50.0	-3.2	7.0	-	42.8	-	47.2	-4.4
02:55 AM - 03:00 AM	45.7	50.4	-4.7	7.0	-	41.7	-	47.8	-6.1
03:00 AM - 03:05 AM	46.4	48.5	-2.1	7.0	-	42.4	-	46.3	-3.9
03:05 AM - 03:10 AM	47.3	52.9	-5.6	7.0	-	42.3	-	47.3	-5.0
03:10 AM - 03:15 AM	46.3	51.2	-4.9	7.0	-	41.4	-	47.3	-5.9
03:15 AM - 03:20 AM	47.3	51.3	-4.0	7.0	-	43.3	-	47.3	-4.0
03:20 AM - 03:25 AM	47.3	50.0	-2.7	7.0	-	43.0	-	47.0	-4.0
03:25 AM - 03:30 AM	47.3	52.4	-5.1	7.0	-	43.3	-	46.9	-3.6
03:30 AM - 03:35 AM	47.0	50.3	-3.3	7.0	-	41.0	-	47.2	-6.2
03:35 AM - 03:40 AM	44.4	51.8	-7.4	7.0	-	40.4	-	46.7	-6.3
03:40 AM - 03:45 AM	43.8	49.3	-5.5	7.0	-	39.8	-	46.8	-6.9
03:45 AM - 03:50 AM	47.2	50.5	-3.3	7.0	-	42.2	-	47.2	-5.0
03:50 AM - 03:55 AM	48.0	50.5	-2.5	7.0	-	44.8	-	47.6	-2.8
03:55 AM - 04:00 AM	47.0	49.8	-2.8	7.0	-	43.0	-	47.2	-4.2

Approved by

Kasikorn Anet
Senior Manager

ADDRESS 104 Phatthanakarn Rd., Phatthanakarn Rd., Khwaeng Phatthanakarn, Khet Suan Luang, Bangkok 10210 Thailand T+66 0 2760 3000 F+66 0 2760 3197
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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23148610-5
Parameter : เสียงรบกวน
Location : โรงโม่และคัดแยกน้ำตาลทราย (GPS 48Q 279384, 1885169)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00472124



TESTING

No 0009
Lot ID: 23148610
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report Number : 2907236-1

Page 3 of 3

ตารางข้อมูล (dB(A))									
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ	เสียงรวม	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ
04:00 AM - 04:05 AM	48.2	50.3	-2.1	7.0	-	44.2	-	46.7	-2.5
04:05 AM - 04:10 AM	49.3	50.3	-1.0	7.0	-	45.3	-	46.9	-1.6
04:10 AM - 04:15 AM	46.1	50.0	-3.9	7.0	-	42.1	-	47.4	-5.3
04:15 AM - 04:20 AM	44.8	50.0	-5.2	7.0	-	40.8	-	47.2	-6.5
04:20 AM - 04:25 AM	47.2	49.1	-1.9	7.0	-	43.2	-	46.3	-3.1
04:25 AM - 04:30 AM	46.3	49.9	-3.6	7.0	-	42.3	-	46.2	-3.9
04:30 AM - 04:35 AM	45.4	49.7	-4.3	7.0	-	41.4	-	47.4	-6.0
04:35 AM - 04:40 AM	45.6	49.5	-3.9	7.0	-	41.8	-	46.2	-4.4
04:40 AM - 04:45 AM	45.6	49.9	-4.3	7.0	-	41.6	-	46.3	-4.7
04:45 AM - 04:50 AM	47.5	49.2	-1.7	7.0	-	43.8	-	47.1	-3.3
04:50 AM - 04:55 AM	46.7	49.8	-3.1	7.0	-	42.7	-	47.2	-4.5
04:55 AM - 05:00 AM	46.4	49.5	-3.1	7.0	-	42.4	-	47.4	-5.0
05:00 AM - 05:05 AM	46.5	49.3	-2.8	7.0	-	42.6	-	47.1	-4.5
05:05 AM - 05:10 AM	47.7	50.4	-2.7	7.0	-	43.7	-	47.1	-3.4
05:10 AM - 05:15 AM	46.2	50.0	-3.8	7.0	-	44.2	-	47.2	-3.0
05:15 AM - 05:20 AM	46.4	51.7	-5.3	7.0	-	44.3	-	46.3	-8.0
05:20 AM - 05:25 AM	46.7	52.0	-5.3	7.0	-	44.7	-	46.4	-8.3
05:25 AM - 05:30 AM	48.2	51.0	-2.8	7.0	-	44.2	-	47.6	-3.4
05:30 AM - 05:35 AM	47.4	50.9	-3.5	7.0	-	43.4	-	48.3	-4.9
05:35 AM - 05:40 AM	48.8	51.5	-2.7	7.0	-	44.8	-	46.9	-4.0
05:40 AM - 05:45 AM	47.5	51.0	-3.5	7.0	-	43.5	-	47.0	-3.5
05:45 AM - 05:50 AM	50.4	49.0	1.4	7.0	-	46.4	-	45.5	0.9
05:50 AM - 05:55 AM	46.4	50.8	-4.4	7.0	-	42.4	-	46.9	-4.5
05:55 AM - 06:00 AM	46.3	51.5	-5.2						
06:00 AM - 06:05 AM	56.7	55.5	1.2	1.3	55.2	-	47.7	7.5	
07:00 AM - 06:05 AM	54.9	51.4	-3.5	3.0	47.8	-	46.9	-1.7	
07:05 AM - 06:10 AM	53.1	50.7	-2.4	6.6	46.1	-	45.8	-0.3	
07:10 AM - 06:15 AM	53.1	50.5	-2.6	7.0	46.1	-	45.1	-0.7	
07:15 AM - 06:20 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:20 AM - 06:25 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:25 AM - 06:30 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:30 AM - 06:35 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:35 AM - 06:40 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:40 AM - 06:45 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:45 AM - 06:50 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:50 AM - 06:55 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
07:55 AM - 07:00 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:00 AM - 07:05 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:05 AM - 07:10 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:10 AM - 07:15 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:15 AM - 07:20 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:20 AM - 07:25 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:25 AM - 07:30 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:30 AM - 07:35 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:35 AM - 07:40 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:40 AM - 07:45 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:45 AM - 07:50 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:50 AM - 07:55 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
08:55 AM - 08:00 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:00 AM - 08:05 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:05 AM - 08:10 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:10 AM - 08:15 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:15 AM - 08:20 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:20 AM - 08:25 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:25 AM - 08:30 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:30 AM - 08:35 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:35 AM - 08:40 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:40 AM - 08:45 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:45 AM - 08:50 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:50 AM - 08:55 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
09:55 AM - 09:00 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:00 AM - 09:05 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:05 AM - 09:10 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:10 AM - 09:15 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:15 AM - 09:20 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:20 AM - 09:25 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:25 AM - 09:30 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:30 AM - 09:35 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:35 AM - 09:40 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:40 AM - 09:45 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:45 AM - 09:50 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:50 AM - 09:55 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
10:55 AM - 10:00 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
11:00 AM - 10:05 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
11:05 AM - 10:10 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
11:10 AM - 10:15 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
11:15 AM - 10:20 AM	53.1	50.7	-2.4	6.6	46.1	-	45.1	-0.7	
11:20 PM - 01:00 AM	50.6	53.1	-2.5	7.0	43.2	-	48.8	-5.6	
01:00 PM - 02:00 PM	51.6	53.9	-2.3	7.0	46.6	-	49.9	-3.3	

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :



TESTING
No.0009

Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2307304-1

Page 1 of 3

Sample No. 23149380-2
Parameter: เสียงรบกวน
Location: ในพื้นที่ใกล้ทางรถไฟ (GPS 48Q 279462, 1889929)
Measurement Date: Jan 23 - 24, 2024
Measurement by: Hathaporn Kumsat
Sound Level Meter: 00371914

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	ค่าปรับ	เสียงรวมที่ปรับแล้ว
02:00 PM - 03:00 PM	63.7	58.5	5.2	1.5	62.2	53.5	8.7	53.5
03:00 PM - 04:00 PM	64.5	59.1	5.4	1.5	63.0	54.3	8.7	54.3
04:00 PM - 05:00 PM	63.8	59.4	4.4	2.0	61.8	54.5	7.3	54.5
05:00 PM - 06:00 PM	63.0	58.7	4.3	2.0	61.0	54.1	6.9	54.1
06:00 PM - 07:00 PM	62.5	59.2	3.7	2.0	59.5	53.4	6.1	53.4
07:00 PM - 08:00 PM	60.9	57.9	3.0	3.0	57.9	54.1	3.8	54.1
08:00 PM - 09:00 PM	61.0	58.3	2.7	3.0	58.0	54.7	3.3	54.7
09:00 PM - 10:00 PM	59.8	57.5	2.3	4.5	55.3	53.3	2.0	53.3
10:00 PM - 11:00 PM	61.5	58.7	2.8	3.0	58.7	52.7	6.0	52.7
11:00 PM - 12:00 PM	62.6	60.1	2.5	3.0	59.6	54.4	5.2	54.4
12:00 PM - 13:00 PM	60.6	57.7	2.9	3.0	57.7	54.0	3.7	54.0
13:00 PM - 14:00 PM	61.0	57.4	3.6	2.0	59.4	53.8	5.6	53.8
14:00 PM - 15:00 PM	65.5	63.2	2.3	4.5	60.7	55.9	4.8	55.9
15:00 PM - 16:00 PM	60.5	56.6	3.9	2.0	58.6	53.3	5.3	53.3
16:00 PM - 17:00 PM	60.6	57.4	3.2	3.0	57.4	53.5	3.9	53.5
17:00 PM - 18:00 PM	59.5	56.5	3.0	3.0	56.5	51.4	5.1	51.4
18:00 PM - 19:00 PM	59.1	57.1	2.0	4.5	54.6	47.6	7.0	47.6
19:00 PM - 20:00 PM	61.9	58.4	3.5	2.0	60.4	51.3	9.1	51.3
20:00 PM - 21:00 PM	61.0	58.8	2.2	2.0	60.0	49.2	10.8	49.2
21:00 PM - 22:00 PM	59.9	56.1	3.8	3.0	57.1	47.9	11.0	47.9
22:00 PM - 23:00 PM	58.2	52.9	5.3	1.5	57.7	42.8	14.9	42.8
23:00 PM - 00:00 PM	58.1	56.5	1.6	3.0	56.5	48.2	8.3	48.2
00:00 PM - 01:00 PM	63.6	60.5	3.1	3.0	60.5	48.3	12.2	48.3
01:00 PM - 02:00 PM	59.4	55.7	3.7	2.0	57.4	47.2	10.2	47.2
02:00 PM - 03:00 PM	61.3	56.4	4.9	1.5	60.8	47.8	14.0	47.8
03:00 PM - 04:00 PM	59.8	57.3	2.5	3.0	57.3	48.7	9.1	48.7
04:00 PM - 05:00 PM	58.8	54.8	4.0	2.0	56.8	47.7	9.1	47.7
05:00 PM - 06:00 PM	58.1	53.1	5.0	2.0	56.1	47.3	8.8	47.3
06:00 PM - 07:00 PM	58.1	54.3	3.8	2.0	56.1	47.1	9.0	47.1
07:00 PM - 08:00 PM	57.2	55.5	1.7	4.5	52.7	48.6	3.7	48.6
08:00 PM - 09:00 PM	61.7	53.6	8.1	0.5	61.2	47.7	13.5	47.7
09:00 PM - 10:00 PM	59.4	56.9	2.5	3.0	56.9	46.3	10.6	46.3
10:00 PM - 11:00 PM	56.4	53.4	3.0	3.0	53.4	46.1	7.3	46.1
11:00 PM - 12:00 PM	63.5	57.8	5.7	1.5	62.0	47.9	14.1	47.9
12:00 PM - 13:00 PM	60.5	57.2	3.3	3.0	57.2	46.8	10.4	46.8
13:00 PM - 14:00 PM	58.0	54.2	3.8	2.0	56.0	45.8	10.2	45.8
14:00 PM - 15:00 PM	57.2	53.5	3.7	3.0	54.2	43.3	10.9	43.3
15:00 PM - 16:00 PM	59.3	53.3	6.0	2.0	57.3	42.7	14.6	42.7
16:00 PM - 17:00 PM	57.3	56.0	1.3	7.0	55.3	43.8	9.5	43.8
17:00 PM - 18:00 PM	58.7	54.3	4.4	2.0	56.7	46.7	10.0	46.7

The above results are valid only for the ambient noise level as indicated in this report. If the noise level is not as indicated, the results may be affected. The results are valid only for the ambient noise level as indicated in this report. If the noise level is not as indicated, the results may be affected.

Approved by

Kasorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :



TESTING
No.0009

Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2307304-1

Page 2 of 3

Sample No. 23149380-2
Parameter: เสียงรบกวน
Location: ในพื้นที่ใกล้ทางรถไฟ (GPS 48Q 279462, 1889929)
Measurement Date: Jan 23 - 24, 2024
Measurement by: Hathaporn Kumsat
Sound Level Meter: 00371914

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับ	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	ค่าปรับ	เสียงรวมที่ปรับแล้ว
12:40 AM - 12:45 AM	56.2	52.1	4.1	2.0	54.2	46.3	7.9	46.3
12:45 AM - 12:50 AM	54.4	51.7	2.7	3.0	51.7	45.7	6.0	45.7
12:50 AM - 12:55 AM	55.7	51.1	4.6	1.5	54.2	46.5	7.7	46.5
12:55 AM - 01:00 AM	58.1	53.7	4.4	1.0	58.1	46.5	11.6	46.5
01:00 AM - 01:05 AM	56.8	53.5	3.3	1.5	56.8	45.5	11.3	45.5
01:05 AM - 01:10 AM	55.2	52.3	2.9	3.0	52.3	44.7	7.6	44.7
01:10 AM - 01:15 AM	52.8	54.8	0.0	2.0	52.8	41.9	10.9	41.9
01:15 AM - 01:20 AM	60.5	55.3	5.2	1.5	60.5	46.3	14.2	46.3
01:20 AM - 01:25 AM	57.9	53.2	4.7	1.5	57.9	44.7	13.2	44.7
01:25 AM - 01:30 AM	57.3	53.1	4.2	2.0	55.3	44.5	10.8	44.5
01:30 AM - 01:35 AM	56.9	53.1	3.8	2.0	54.9	43.7	11.2	43.7
01:35 AM - 01:40 AM	56.0	53.2	2.8	1.5	54.5	43.4	11.1	43.4
01:40 AM - 01:45 AM	56.9	54.4	2.5	2.0	56.9	44.9	12.0	44.9
01:45 AM - 01:50 AM	57.3	54.4	2.9	1.5	57.3	45.7	11.6	45.7
01:50 AM - 01:55 AM	56.8	54.4	2.4	2.0	54.8	42.0	12.8	42.0
01:55 AM - 02:00 AM	57.5	52.9	4.6	1.5	57.5	46.0	11.5	46.0
02:00 AM - 02:05 AM	56.8	55.8	1.0	2.0	56.8	45.9	10.9	45.9
02:05 AM - 02:10 AM	57.7	54.4	3.3	1.5	57.7	46.9	10.8	46.9
02:10 AM - 02:15 AM	58.7	55.6	3.1	3.0	58.7	47.7	11.0	47.7
02:15 AM - 02:20 AM	58.0	54.5	3.5	1.5	58.0	47.8	10.2	47.8
02:20 AM - 02:25 AM	51.1	56.8	4.7	2.0	51.1	42.8	18.3	42.8
02:25 AM - 02:30 AM	58.5	53.9	4.6	1.5	58.5	49.7	8.8	49.7
02:30 AM - 02:35 AM	57.0	54.2	2.8	2.0	57.0	46.1	10.9	46.1
02:35 AM - 02:40 AM	58.4	54.3	4.1	2.0	58.4	46.5	11.9	46.5
02:40 AM - 02:45 AM	58.4	54.5	3.9	3.0	58.4	47.7	10.7	47.7
02:45 AM - 02:50 AM	58.4	55.1	3.3	2.0	58.4	46.7	11.7	46.7
02:50 AM - 02:55 AM	59.6	55.3	4.3	2.0	59.6	47.3	12.3	47.3
02:55 AM - 03:00 AM	58.0	54.9	3.1	3.0	58.0	45.1	12.9	45.1
03:00 AM - 03:05 AM	62.0	56.6	5.4	3.0	62.0	46.2	15.8	46.2
03:05 AM - 03:10 AM	58.8	57.3	1.5	1.5	58.8	46.7	12.1	46.7
03:10 AM - 03:15 AM	58.8	57.3	1.5	1.5	58.8	46.7	12.1	46.7
03:15 AM - 03:20 AM	57.0	55.4	1.6	3.0	57.0	44.9	12.1	44.9
03:20 AM - 03:25 AM	60.2	55.7	4.5	1.5	60.2	46.6	13.6	46.6
03:25 AM - 03:30 AM	58.8	54.6	4.2	4.5	58.8	45.1	13.7	45.1
03:30 AM - 03:35 AM	58.9	54.9	4.0	2.0	58.9	46.2	12.7	46.2
03:35 AM - 03:40 AM	58.2	53.5	4.7	1.5	58.2	45.6	12.6	45.6
03:40 AM - 03:45 AM	58.1	54.5	3.6	2.0	58.1	46.1	12.0	46.1
03:45 AM - 03:50 AM	58.1	53.1	5.0	2.0	58.1	47.4	10.7	47.4
03:50 AM - 03:55 AM	58.1	54.4	3.7	2.0	58.1	47.2	10.9	47.2
03:55 AM - 04:00 AM	57.6	54.5	3.1	3.0	57.6	47.0	10.6	47.0

The above results are valid only for the ambient noise level as indicated in this report. If the noise level is not as indicated, the results may be affected. The results are valid only for the ambient noise level as indicated in this report. If the noise level is not as indicated, the results may be affected.

Approved by

Kasorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2307304-1

Page 1 of 3

Sample No. 23149380-2
Parameter: เสียงรบกวน
Location: ในพื้นที่ใกล้ทางรถไฟ (GPS 48Q 279462, 1889929)
Measurement Date: Jan 23 - 24, 2024
Measurement by: Hathaporn Kumsat
Sound Level Meter: 00371914

Source Level meter		02/27/2014		ค่าปรับเสียง (dB(A))		เสียงรวมที่ปรับแล้ว		เสียงรวมที่ปรับแล้ว		เสียงรวมที่ปรับแล้ว	
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าปรับเสียง	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว	เสียงรวมที่ปรับแล้ว
04:00 AM - 04:05 AM	58.8	54.2	5.6	1.5	60.3	48.5	11.8	48.5	11.8	48.5	11.8
04:05 AM - 04:10 AM	58.1	54.3	3.8	2.0	58.1	46.2	11.9	46.2	11.9	46.2	11.9
04:10 AM - 04:15 AM	57.2	54.0	3.2	3.0	57.2	45.8	11.4	45.8	11.4	45.8	11.4
04:15 AM - 04:20 AM	55.5	53.3	2.2	4.5	54.0	45.9	8.1	45.9	8.1	45.9	8.1
04:20 AM - 04:25 AM	56.9	53.4	3.5	2.0	56.9	45.9	8.1	45.9	8.1	45.9	8.1
04:25 AM - 04:30 AM	56.7	53.1	3.6	2.0	56.7	46.5	10.2	46.5	10.2	46.5	10.2
04:30 AM - 04:35 AM	58.0	54.7	3.3	3.0	58.0	46.7	11.3	46.7	11.3	46.7	11.3
04:35 AM - 04:40 AM	58.1	54.6	3.5	2.0	58.1	46.8	11.3	46.8	11.3	46.8	11.3
04:40 AM - 04:45 AM	57.2	54.8	2.4	3.0	57.2	47.7	8.5	47.7	8.5	47.7	8.5
04:45 AM - 04:50 AM	60.2	57.8	2.4	4.5	60.2	49.2	11.0	49.2	11.0	49.2	11.0
04:50 AM - 04:55 AM	57.2	54.7	2.5	3.0	57.2	48.8	8.4	48.8	8.4	48.8	8.4
04:55 AM - 05:00 AM	57.3	55.2	1.6	4.5	57.3	48.2	9.1	48.2	9.1	48.2	9.1
05:00 AM - 05:05 AM	59.7	54.8	4.9	1.5	59.7	48.7	11.0	48.7	11.0	48.7	11.0
05:05 AM - 05:10 AM	58.4	55.7	2.7	2.0	58.4	49.5	8.9	49.5	8.9	49.5	8.9
05:10 AM - 05:15 AM	58.1	55.2	2.9	3.0	58.1	49.3	8.8	49.3	8.8	49.3	8.8
05:15 AM - 05:20 AM	58.4	55.0	3.4	3.0	58.4	47.9	10.5	47.9	10.5	47.9	10.5
05:20 AM - 05:25 AM	59.0	55.7	3.3	2.0	59.0	49.2	9.8	49.2	9.8	49.2	9.8
05:25 AM - 05:30 AM	58.5	57.1	1.4	7.0	58.5	49.6	8.9	49.6	8.9	49.6	8.9
05:30 AM - 05:35 AM	60.5	56.4	4.1	1.5	60.5	49.0	11.5	49.0	11.5	49.0	11.5
05:35 AM - 05:40 AM	59.3	55.9	3.4	2.0	59.3	49.5	9.8	49.5	9.8	49.5	9.8
05:40 AM - 05:45 AM	59.3	55.9	3.4	2.0	59.3	49.5	9.8	49.5	9.8	49.5	9.8
05:45 AM - 05:50 AM	61.1	57.2	3.4	1.5	61.1	49.5	11.6	49.5	11.6	49.5	11.6
05:50 AM - 05:55 AM	63.6	57.3	11.3	0.5	63.6	52.1	11.5	52.1	11.5	52.1	11.5
05:55 AM - 06:00 AM	60.3	56.4	3.9	2.0	60.3	49.6	10.7	49.6	10.7	49.6	10.7
06:00 AM - 07:00 AM	62.3	57.8	4.5	1.5	60.8	49.3	11.5	49.3	11.5	49.3	11.5
07:00 AM - 08:00 AM	63.1	59.1	4.0	0.1	63.1	54.5	8.6	54.5	8.6	54.5	8.6
08:00 AM - 09:00 AM	62.9	58.7	4.2	0.3	62.9	54.7	8.2	54.7	8.2	54.7	8.2
09:00 AM - 10:00 AM	63.7	59.4	4.3	2.0	63.7	54.7	9.0	54.7	9.0	54.7	9.0
10:00 AM - 11:00 AM	63.7	59.2	4.5	1.3	63.2	54.5	8.7	54.5	8.7	54.5	8.7
11:00 AM - 12:00 PM	64.3	58.4	5.9	0.5	64.3	53.5	10.8	53.5	10.8	53.5	10.8
12:00 PM - 01:00 PM	63.4	58.2	5.2	1.5	61.9	53.4	8.5	53.4	8.5	53.4	8.5
01:00 PM - 02:00 PM	63.7	58.0	5.7	1.3	62.2	53.7	8.5	53.7	8.5	53.7	8.5



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149380-3
Parameter : ฝุ่นละออง
Location : ตำบลบ้านดง อำเภอนาคู (GPS 48Q 279462, 1888929)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00371914



TESTING

No.0009
Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907305-1

Page 2 of 3

เวลา	ความเร็วลม ลมพัดจาก	ความเร็วลม ลมพัดมา	ทิศทาง ลมพัด	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย
12:40 AM - 12:45 AM	5.3	4.3	2.0	-	58.5	46.0	37.5	-	-
12:45 AM - 12:50 AM	5.3	4.3	2.0	-	58.6	42.0	16.6	-	-
12:50 AM - 12:55 AM	5.3	5.1	2.5	3.0	-	55.6	47.5	8.1	-
12:55 AM - 01:00 AM	58.5	54.7	3.4	3.0	-	56.1	46.1	12.8	-
01:00 AM - 01:05 AM	57.5	52.2	3.3	1.5	-	59.0	44.1	14.9	-
01:05 AM - 01:10 AM	57.5	52.6	4.9	1.5	-	58.0	45.6	13.4	-
01:10 AM - 01:15 AM	58.9	52.4	5.5	1.5	-	62.4	45.9	14.5	-
01:15 AM - 01:20 AM	55.5	53.3	2.1	4.5	-	56.1	41.1	13.0	-
01:20 AM - 01:25 AM	57.2	51.7	5.5	1.5	-	56.7	41.6	17.1	-
01:25 AM - 01:30 AM	52.5	47.9	2.6	3.0	-	56.5	41.2	9.3	-
01:30 AM - 01:35 AM	57.0	53.8	2.5	2.0	-	56.5	43.1	15.5	-
01:35 AM - 01:40 AM	57.0	55.0	2.4	3.0	-	57.6	42.8	14.8	-
01:40 AM - 01:45 AM	57.9	52.0	5.9	1.5	-	59.4	43.0	16.4	-
01:45 AM - 01:50 AM	56.3	52.6	3.8	2.0	-	57.3	43.2	14.1	-
01:50 AM - 01:55 AM	57.4	54.3	3.1	3.0	-	57.4	42.9	14.5	-
01:55 AM - 02:00 AM	56.9	52.6	4.3	2.0	-	57.9	43.0	15.3	-
02:00 AM - 02:05 AM	56.1	53.3	2.8	3.0	-	56.1	43.6	12.3	-
02:05 AM - 02:10 AM	67.4	52.8	8.6	0.5	-	64.9	45.8	19.1	-
02:10 AM - 02:15 AM	55.2	52.1	3.1	3.0	-	55.2	45.5	9.7	-
02:15 AM - 02:20 AM	58.4	53.6	4.8	1.5	-	59.9	42.3	17.6	-
02:20 AM - 02:25 AM	57.6	53.9	3.7	2.0	-	56.6	43.2	15.4	-
02:25 AM - 02:30 AM	56.9	52.9	3.9	2.0	-	57.9	45.6	12.2	-
02:30 AM - 02:35 AM	56.8	54.9	1.9	4.5	-	55.3	45.0	10.1	-
02:35 AM - 02:40 AM	60.0	54.4	5.6	1.5	-	61.5	47.4	14.1	-
02:40 AM - 02:45 AM	55.5	52.8	3.7	2.0	-	57.5	46.3	13.2	-
02:45 AM - 02:50 AM	58.5	53.9	4.7	1.5	-	60.1	46.4	13.7	-
02:50 AM - 02:55 AM	58.8	53.5	5.3	1.5	-	60.3	46.7	10.6	-
02:55 AM - 03:00 AM	55.5	54.3	3.7	1.5	-	61.5	46.6	16.9	-
03:00 AM - 03:05 AM	55.5	51.5	4.0	7.0	-	56.5	45.4	11.1	-
03:05 AM - 03:10 AM	57.6	56.6	1.0	7.0	-	57.6	48.8	4.8	-
03:10 AM - 03:15 AM	62.2	55.4	6.8	1.8	-	64.2	46.7	18.5	-
03:15 AM - 03:20 AM	57.0	55.7	1.3	7.0	-	57.0	47.4	9.6	-
03:20 AM - 03:25 AM	59.5	53.4	6.1	1.5	-	61.0	45.3	15.7	-
03:25 AM - 03:30 AM	57.9	54.2	2.7	2.0	-	58.9	47.8	16.1	-
03:30 AM - 03:35 AM	57.4	52.5	4.9	1.5	-	58.9	46.5	18.4	-
03:35 AM - 03:40 AM	56.5	53.2	3.4	3.0	-	56.6	45.2	11.4	-
03:40 AM - 03:45 AM	56.9	53.2	2.8	3.0	-	56.0	44.2	11.8	-
03:45 AM - 03:50 AM	57.3	51.8	5.8	1.5	-	58.0	40.0	14.8	-
03:50 AM - 03:55 AM	56.5	51.3	5.2	1.5	-	58.0	41.0	17.8	-
03:55 AM - 04:00 AM	57.6	54.6	3.0	3.0	-	57.6	43.9	12.7	-

Approved by

Kasat Phol Sugar Co., Ltd.
Kasat Phol Sugar Co., Ltd.
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149380-3
Parameter : ฝุ่นละออง
Location : ตำบลบ้านดง อำเภอนาคู (GPS 48Q 279462, 1888929)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00371914



TESTING

No.0009
Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907305-1

Page 3 of 3

เวลา	ความเร็วลม ลมพัดจาก	ความเร็วลม ลมพัดมา	ทิศทาง ลมพัด	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย	ค่าเฉลี่ย ค่าเฉลี่ย
04:00 AM - 04:05 AM	57.3	53.7	3.6	2.0	-	58.3	44.5	13.8	-
04:05 AM - 04:10 AM	59.1	53.6	5.5	1.5	-	60.6	43.7	16.9	-
04:10 AM - 04:15 AM	58.7	56.2	2.5	3.0	-	58.7	48.2	10.5	-
04:15 AM - 04:20 AM	60.7	53.6	8.1	0.5	-	61.2	47.2	12.5	-
04:20 AM - 04:25 AM	62.2	58.9	3.3	3.0	-	62.2	50.7	11.5	-
04:25 AM - 04:30 AM	62.8	54.2	9.6	0.5	-	66.3	46.9	20.3	-
04:30 AM - 04:35 AM	60.3	55.8	4.5	1.5	-	61.8	45.9	13.9	-
04:35 AM - 04:40 AM	57.1	51.4	3.7	2.0	-	58.1	43.7	14.4	-
04:40 AM - 04:45 AM	56.1	52.7	2.6	4.5	-	54.6	46.7	7.9	-
04:45 AM - 04:50 AM	58.1	53.3	4.8	1.5	-	59.6	44.4	13.2	-
04:50 AM - 04:55 AM	57.5	53.2	4.3	2.0	-	58.5	46.2	12.3	-
04:55 AM - 05:00 AM	56.3	52.9	3.4	3.0	-	56.3	44.0	12.3	-
05:00 AM - 05:05 AM	57.5	54.6	2.5	3.0	-	57.5	44.5	9.9	-
05:05 AM - 05:10 AM	58.4	54.4	4.0	2.0	-	59.4	44.0	11.4	-
05:10 AM - 05:15 AM	60.1	56.2	3.9	2.0	-	61.1	40.2	19.8	-
05:15 AM - 05:20 AM	57.9	54.7	3.2	2.0	-	57.9	48.0	9.9	-
05:20 AM - 05:25 AM	60.2	55.2	5.0	1.5	-	60.2	49.1	12.5	-
05:25 AM - 05:30 AM	60.3	57.4	2.8	3.0	-	60.3	49.3	11.9	-
05:30 AM - 05:35 AM	64.3	55.2	9.1	0.5	-	68.8	49.9	18.9	-
05:35 AM - 05:40 AM	58.3	54.9	3.4	2.0	-	58.3	47.5	8.8	-
05:40 AM - 05:45 AM	59.2	55.4	3.8	2.0	-	60.2	49.2	10.5	-
05:45 AM - 05:50 AM	62.2	56.7	5.5	1.5	-	63.7	51.0	13.7	-
05:50 AM - 05:55 AM	66.3	55.2	11.1	0.5	-	68.8	51.0	17.8	-
05:55 AM - 06:00 AM	60.8	55.3	5.5	1.5	-	62.3	52.3	11.1	-
06:00 AM - 06:05 AM	64.8	57.7	7.1	2.0	62.0	-	52.7	13.3	-
06:05 AM - 06:10 AM	64.1	59.3	4.8	1.5	62.6	-	54.8	7.8	-
06:10 AM - 06:15 AM	64.4	58.9	5.5	1.5	62.9	-	54.8	8.5	-
06:15 AM - 06:20 AM	64.6	59.5	6.2	1.5	63.1	-	54.8	6.6	-
06:20 AM - 06:25 AM	64.9	59.8	5.3	1.5	63.4	-	55.8	8.4	-
06:25 AM - 06:30 AM	64.7	58.9	5.8	1.5	63.2	-	54.8	8.8	-
06:30 AM - 06:35 AM	64.3	58.8	5.4	1.5	62.7	-	54.8	8.7	-
06:35 AM - 06:40 AM	64.5	58.6	5.8	1.5	62.9	-	54.5	8.3	-
06:40 AM - 06:45 AM	64.5	58.6	5.8	1.5	62.9	-	54.5	8.3	-

Reference Method:

- In-house method: STM 05-001 based on ISO 1996-1: 2016
- อุปกรณ์ที่ใช้ในการทดสอบ : เครื่องวัดค่าฝุ่นละอองแบบพกพา รุ่น 3100 และเครื่องวัดค่าเสียงแบบพกพา รุ่น 3100
- สถานที่ทำการทดสอบ : โรงงาน Kasat Phol Sugar Co., Ltd. ตำบลบ้านดง อำเภอนาคู จังหวัดอุบลราชธานี
- ผลการทดสอบ : ค่าเฉลี่ยค่าฝุ่นละอองไม่เกิน 0.15 mg/m³ และค่าเสียงไม่เกิน 70 dBA

Approved by

Kasat Phol Sugar Co., Ltd.
Kasat Phol Sugar Co., Ltd.
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 23149380-4
Parameter : ฝุ่นละออง
Location : ตำบลบ้านดง อำเภอนาคู (GPS 48Q 279462, 1888929)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00371914



TESTING

No.0009
Lot ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number: 2907306-1

Page 1 of 3

เวลา		ค่าเฉลี่ย (dB(A))					เสียงที่ตรวจ	ค่าเฉลี่ย
เสียงจาก	เสียงจาก	เสียงจาก	เสียงจาก	เสียงจาก	เสียงจาก	เสียงจาก	เสียงจาก	
เครื่องจักร	เครื่องจักร	เครื่องจักร	เครื่องจักร	เครื่องจักร	เครื่องจักร	เครื่องจักร	เครื่องจักร	
02:00 PM - 02:05 PM	63.8	54.8	5.0	1.5	63.3	-	54.7	7.6
02:05 PM - 02:10 PM	64.9	52.2	5.6	1.5	61.4	-	55.3	8.1
02:10 PM - 02:15 PM	63.0	58.7	4.3	3.0	61.0	-	54.4	6.6
02:15 PM - 02:20 PM	63.0	56.7	4.3	3.0	61.0	-	55.8	7.2
02:20 PM - 02:25 PM	62.8	57.3	3.7	1.5	60.5	-	52.7	7.8
02:25 PM - 02:30 PM	61.1	56.0	3.1	3.0	58.1	-	53.9	4.7
02:30 PM - 02:35 PM	61.1	57.6	3.5	2.0	59.1	-	52.8	6.3
02:35 PM - 02:40 PM	60.9	55.6	3.4	1.5	58.5	-	49.3	9.1
02:40 PM - 02:45 PM	59.5	52.7	2.3	4.5	-	58.9	46.5	16.4
02:45 PM - 02:50 PM	62.6	55.1	7.5	0.5	-	65.1	49.2	15.9
02:50 PM - 02:55 PM	58.5	54.2	4.3	2.0	-	57.5	45.4	13.9
02:55 PM - 03:00 PM	58.8	55.2	3.7	2.0	-	58.9	49.2	10.7
03:00 PM - 03:05 PM	60.6	56.5	4.1	2.0	-	61.6	51.4	10.2
03:05 PM - 03:10 PM	59.2	57.1	2.1	4.5	-	57.7	52.1	6.5
03:10 PM - 03:15 PM	61.4	58.8	2.4	3.0	-	61.4	52.6	4.8
03:15 PM - 03:20 PM	62.4	55.3	7.3	1.0	-	64.6	47.9	16.8
03:20 PM - 03:25 PM	60.3	56.1	4.1	2.0	-	61.2	50.5	10.7
03:25 PM - 03:30 PM	59.5	55.2	4.6	1.5	-	61.4	50.0	11.4
03:30 PM - 03:35 PM	64.5	54.8	4.2	1.5	-	61.0	49.3	11.2
03:35 PM - 03:40 PM	57.9	52.4	3.2	1.5	-	58.4	45.6	13.6
03:40 PM - 03:45 PM	56.9	53.9	3.0	3.0	-	56.9	45.1	11.8
03:45 PM - 03:50 PM	57.9	55.4	3.5	3.0	-	57.9	45.6	12.3
03:50 PM - 03:55 PM	60.6	56.1	4.5	1.5	-	62.1	48.2	13.9
03:55 PM - 04:00 PM	60.5				-	61.5		
03:55 PM - 04:00 PM	60.5	61.2	0.7	0.5	-	61.5	46.2	8.2
04:00 PM - 04:05 PM	64.6	55.5	9.1	0.5	-	62.1	47.1	16.0
04:05 PM - 04:10 PM	61.5	53.7	5.8	1.5	-	61.0	46.0	15.0
04:10 PM - 04:15 PM	61.3	57.2	4.1	2.0	-	62.3	47.6	14.7
04:15 PM - 04:20 PM	61.6	56.1	2.5	3.0	-	61.6	43.7	16.9
04:20 PM - 04:25 PM	58.8	56.5	2.3	2.0	-	58.9	46.1	12.8
04:25 PM - 04:30 PM	55.5	54.4	7.1	1.0	-	62.5	44.0	19.5
04:30 PM - 04:35 PM	56.2	53.0	3.2	3.0	-	60.2	45.2	13.9
04:35 PM - 04:40 PM	57.3	53.3	2.6	3.5	-	55.8	43.7	19.8
04:40 PM - 04:45 PM	57.1	54.3	4.8	1.5	-	60.7	44.6	16.0
04:45 PM - 04:50 PM	57.7	54.2	2.4	3.0	-	57.6	45.6	11.9
04:50 PM - 04:55 PM	58.3	54.3	4.0	2.0	-	58.4	45.4	12.7
04:55 PM - 05:00 PM	57.7	54.8	3.7	2.0	-	57.7	46.0	12.7
05:00 PM - 05:05 PM	58.3	54.0	3.5	2.0	-	58.8	47.6	11.6
05:05 PM - 05:10 PM	59.2	55.0	4.6	1.5	-	61.1	49.0	11.3
05:10 PM - 05:15 PM	59.6	55.5	2.5	3.5	-	57.5	46.1	9.5
05:15 PM - 05:20 PM	57.4	53.4	8.3	0.5	-	63.2	43.7	18.0



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343, EIA Monitoring
Project Location :

Sample No. : 23149380-6
Parameter : เสียงรบกวน
Location : ในพื้นที่แหล่งชุมชน (GPS 48Q 279462, 1889929)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kunasat
Sound Level Meter : 00371914

TESTING

No.0009
Lot ID: 23149380
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2307309-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะที่วัดได้	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับตามข้อกำหนด	ค่าเฉลี่ย	ค่าปรับตามข้อกำหนด
07:00 PM - 08:00 PM	62.8	58.1	4.7	1.5	61.3	-	53.7
08:00 PM - 09:00 PM	63.9	58.3	5.6	1.5	62.4	-	53.9
09:00 PM - 10:00 PM	62.9	57.8	5.1	1.5	61.4	-	53.6
10:00 PM - 11:00 PM	64.1	59.5	4.6	1.5	62.6	-	54.9
11:00 PM - 12:00 PM	61.6	58.3	3.3	1.0	58.6	-	54.3
12:00 PM - 01:00 PM	60.9	58.5	2.4	0.5	56.4	-	54.6
01:00 PM - 02:00 PM	61.3	57.8	3.5	2.0	59.3	-	54.7
02:00 PM - 03:00 PM	60.2	57.9	2.3	0.5	55.7	-	53.7
03:00 PM - 04:00 PM	59.3	60.1	-1.8	7.0	54.3	-	53.4
04:00 PM - 05:00 PM	61.1	56.1	5.0	1.5	62.6	-	52.9
05:00 PM - 06:00 PM	58.6	56.4	2.2	0.5	57.1	-	52.7
06:00 PM - 07:00 PM	57.2	56.8	0.4	0.5	56.8	-	52.8
07:00 PM - 08:00 PM	58.0	57.3	0.7	0.5	57.3	-	52.8
08:00 PM - 09:00 PM	58.3	55.5	2.7	3.0	58.2	-	53.0
09:00 PM - 10:00 PM	57.1	55.5	1.6	0.5	55.6	-	51.5
10:00 PM - 11:00 PM	57.2	56.0	1.2	1.0	56.2	-	52.5
11:00 PM - 12:00 PM	57.9	56.8	1.1	1.0	56.9	-	52.3
12:00 PM - 01:00 PM	62.8	57.6	5.2	1.5	64.3	-	53.2
01:00 PM - 02:00 PM	58.9	55.6	3.3	2.0	56.9	-	52.1
02:00 PM - 03:00 PM	56.0	55.6	0.4	0.5	55.6	-	52.1
03:00 PM - 04:00 PM	58.8	53.6	5.2	1.5	60.3	-	52.7
04:00 PM - 05:00 PM	56.9	57.6	-0.7	7.0	55.9	-	52.2
05:00 PM - 06:00 PM	60.5	56.3	4.2	2.0	61.5	-	52.2
06:00 PM - 07:00 PM	58.4	57.4	1.0	1.0	58.4	-	52.0
07:00 PM - 08:00 PM	61.4	56.9	4.5	1.5	62.9	-	53.1
08:00 PM - 09:00 PM	56.3	53.6	2.7	3.0	56.3	-	51.6
09:00 PM - 10:00 PM	58.0	54.9	3.1	3.0	58.0	-	50.6
10:00 PM - 11:00 PM	59.9	58.5	1.4	1.0	59.9	-	49.5
11:00 PM - 12:00 PM	60.6	55.3	5.3	1.5	62.1	-	48.9
12:00 PM - 01:00 PM	59.7	56.4	3.3	1.0	59.7	-	48.4
01:00 PM - 02:00 PM	59.4	54.0	5.4	1.5	60.9	-	47.7
02:00 PM - 03:00 PM	58.2	55.0	3.2	1.0	58.2	-	47.2
03:00 PM - 04:00 PM	60.1	53.7	6.4	1.5	61.6	-	47.2
04:00 PM - 05:00 PM	57.7	53.0	4.7	1.5	59.2	-	45.8
05:00 PM - 06:00 PM	58.3	55.8	2.5	1.0	58.3	-	46.3
06:00 PM - 07:00 PM	62.1	53.0	9.1	1.5	63.6	-	46.1
07:00 PM - 08:00 PM	58.2	55.0	3.2	1.0	58.2	-	45.0
08:00 PM - 09:00 PM	57.5	54.0	3.5	2.0	58.5	-	46.0
09:00 PM - 10:00 PM	56.3	53.4	2.9	2.0	56.3	-	44.5
10:00 PM - 11:00 PM	58.1	53.5	4.6	1.5	59.6	-	44.7

Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343, EIA Monitoring
Project Location :

Sample No. : 23149380-6
Parameter : เสียงรบกวน
Location : ในพื้นที่แหล่งชุมชน (GPS 48Q 279462, 1889929)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kunasat
Sound Level Meter : 00371914

TESTING

No.0009
Lot ID: 23149380
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2307309-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะที่วัดได้	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับตามข้อกำหนด	ค่าเฉลี่ย	ค่าปรับตามข้อกำหนด
12:40 AM - 01:00 AM	55.5	54.5	1.0	2.0	-	51.5	44.4
01:00 AM - 02:00 AM	57.6	53.9	3.7	2.0	-	56.6	45.8
02:00 AM - 03:00 AM	57.8	53.7	4.1	2.0	-	58.8	43.9
03:00 AM - 04:00 AM	57.3	53.9	3.4	2.0	-	57.3	46.0
04:00 AM - 05:00 AM	57.4	54.1	3.3	2.0	-	57.4	46.8
05:00 AM - 06:00 AM	58.4	54.1	4.3	2.0	-	59.4	45.9
06:00 AM - 07:00 AM	55.9	51.0	4.9	1.5	-	52.4	44.6
07:00 AM - 08:00 AM	58.5	53.0	5.5	1.5	-	60.0	43.2
08:00 AM - 09:00 AM	57.2	52.7	4.5	1.5	-	57.2	45.3
09:00 AM - 10:00 AM	57.3	53.3	4.0	1.5	-	57.3	45.6
10:00 AM - 11:00 AM	57.3	57.8	-0.5	7.0	-	53.3	43.7
11:00 AM - 12:00 PM	62.1	55.2	6.9	1.0	-	64.1	45.3
12:00 PM - 01:00 PM	58.9	53.7	5.2	1.5	-	60.3	44.1
01:00 AM - 02:00 AM	56.5	53.4	3.1	3.0	-	56.5	42.9
02:00 AM - 03:00 AM	57.4	56.1	1.3	2.0	-	57.4	46.5
03:00 AM - 04:00 AM	55.9	51.6	4.3	2.0	-	54.2	47.5
04:00 AM - 05:00 AM	58.4	54.4	4.0	2.0	-	58.4	47.1
05:00 AM - 06:00 AM	60.4	55.6	4.8	1.5	-	61.9	47.5
06:00 AM - 07:00 AM	57.7	54.0	3.7	2.0	-	57.7	46.3
07:00 AM - 08:00 AM	58.6	53.6	5.0	1.5	-	60.1	43.6
08:00 AM - 09:00 AM	55.2	51.4	3.8	2.0	-	56.2	42.9
09:00 AM - 10:00 AM	56.9	53.4	3.5	2.0	-	57.9	43.6
10:00 AM - 11:00 AM	55.9	51.6	4.3	2.0	-	55.9	42.9
11:00 AM - 12:00 PM	56.0	52.8	3.2	2.0	-	56.0	42.5
12:00 PM - 01:00 AM	58.2	52.9	5.3	1.5	-	59.7	44.0
01:00 AM - 02:00 AM	55.5	52.7	2.8	2.0	-	55.5	45.1
02:00 AM - 03:00 AM	57.1	52.4	4.7	1.5	-	58.6	47.3
03:00 AM - 04:00 AM	57.8	54.5	3.3	3.0	-	57.8	44.5
04:00 AM - 05:00 AM	57.8	53.3	4.5	1.5	-	57.8	45.1
05:00 AM - 06:00 AM	56.3	52.2	4.1	2.0	-	56.3	45.1
06:00 AM - 07:00 AM	55.7	51.4	4.3	2.0	-	56.7	43.4
07:00 AM - 08:00 AM	56.5	54.2	2.3	4.5	-	55.0	46.4
08:00 AM - 09:00 AM	57.5	53.4	4.1	1.5	-	57.5	46.7
09:00 AM - 10:00 AM	56.9	52.4	4.5	1.5	-	56.9	46.8
10:00 AM - 11:00 AM	57.3	53.1	4.2	2.0	-	58.3	43.8
11:00 AM - 12:00 PM	57.3	52.7	4.6	2.0	-	57.3	45.3
12:00 PM - 01:00 AM	56.0	53.3	2.7	3.0	-	56.0	45.1
01:00 AM - 02:00 AM	57.5	53.1	4.4	2.0	-	58.5	46.1
02:00 AM - 03:00 AM	57.2	53.9	3.3	3.0	-	57.2	46.3
03:00 AM - 04:00 AM	58.8	54.5	4.3	2.0	-	58.8	46.9

Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343, EIA Monitoring
Project Location :

Sample No. : 23149380-6
Parameter : เสียงรบกวน
Location : ในพื้นที่แหล่งชุมชน (GPS 48Q 279462, 1889929)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kunasat
Sound Level Meter : 00371914

TESTING

No.0009
Lot ID: 23149380
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report Number : 2307309-1

Page 2 of 3

ตารางเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในลักษณะที่วัดได้	ค่าเฉลี่ย	ค่าปรับ	ค่าปรับตามข้อกำหนด	เสียงรบกวน	ค่าปรับตามข้อกำหนด
07:00 AM - 08:00 AM	57.4	53.5	3.9	2.0	-	58.4	46.3
08:00 AM - 09:00 AM	57.9	54.8	3.1	3.0	-	57.9	46.9
09:00 AM - 10:00 AM	56.2	53.6	2.6	1.5	-	57.2	45.2
10:00 AM - 11:00 AM	57.7	56.4	1.3	1.0	-	57.7	46.0
11:00 AM - 12:00 PM	57.9	54.8	3.1	3.0	-	57.9	46.2
12:25 AM - 01:25 AM	60.6	56.5	4.1	2.0	-	61.6	49.3
01:25 AM - 02:25 AM	57.7	54.7	3.0	3.0	-	57.7	45.8
02:25 AM - 03:25 AM	59.2	57.7	1.5	1.5	-	59.2	45.9
03:25 AM - 04:25 AM	57.7	56.9	0.8	2.0	-	57.7	47.4
04:25 AM - 05:25 AM	60.1	54.4	5.7	1.5	-	61.6	48.1
05:25 AM - 06:25 AM	58.5	53.4	5.1	1.5	-	60.4	46.2
06:25 AM - 07:25 AM	55.9	53.2	-1.3	2.0	-	55.9	44.5
07:25 AM - 08:25 AM	60.0	53.4	6.6	1.0	-	62.0	45.5
08:25 AM - 09:25 AM	60.5	55.9	4.6	1.5	-	62.0	47.4
09:25 AM - 10:25 AM	59.1	56.5	2.6	1.5	-	60.6	48.0
10:25 AM - 11:25 AM	61.9	56.4	5.5	1.5	-	63.4	50.2
11:25 AM - 12:25 PM	64.4	57.5	6.9	1.0	-	66.4	50.5
12:25 PM - 01:25 PM	61.6	53.5	8.1	1.5	-	63.1	48.8
01:25 PM - 02:25 PM	60.1	53.9	6.2	2.0	-	61.1	50.4
02:25 PM - 03:25 PM	59.5	56.8	2.7	2.0	-	59.5	49.2
03:25 PM - 04:25 AM	61.7	53.9	8.8	1.0	-	62.7	47.0
04:25 AM - 05:25 AM	59.0	56.7	2.3	4.5	-	57.5	48.1
05:25 AM - 06:25 AM	65.2	56.4	8.8	0.5	-	67.2	48.5
06:25 AM - 07:25 AM	61.6	56.4	5.2	1.5	-	63.1	49.9
07:25 AM - 08:25 AM	62.7	57.8	4.9	1.5	-	63.2	49.3
08:25 AM - 09:25 AM	63.6	59.0	4.6	1.5	-	63.6	50.4
09:25 AM - 10:25 AM	64.1	56.9	7.2	1.5	-	64.1	50.6
10:25 AM - 11:25 AM	61.2	58.5	2.7	1.0	-	61.2	49.3
11:25 AM - 12:25 PM	61.2	59.2	2.0	1.5	-	61.2	49.8
12:25 PM - 01:00 PM	61.8	57.5	4.3	1.5	-	61.8	49.8
01:00 PM - 02:00 PM	61.0	57.5	3.5	1.5	-	61.0	49.3
02:00 PM - 03:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
03:00 PM - 04:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
04:00 PM - 05:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
05:00 PM - 06:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
06:00 PM - 07:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
07:00 PM - 08:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
08:00 PM - 09:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
09:00 PM - 10:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
10:00 PM - 11:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3
11:00 PM - 12:00 AM	61.0	57.6	3.4	1.5	-	61.0	49.3
12:00 PM - 01:00 PM	61.0	57.5	3.5	1.5	-	61.0	49.3
01:00 PM - 02:00 PM	61.0	57.6	3.4	1.5	-	61.0	49.3



Analysis / Test Report



Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Let ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2907309-1

Sample No. 23149380-7
Parameter Noise
Location บ้านพักคนงาน/พนักงาน (GPS 48Q 279462, 1886929)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathaporn Kunasut
Sound Level Meter 00371914

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในชุมชน	ระดับเสียง (dB(A))		พื้นที่เสียงรบกวน	เสียงรบกวน	ค่ามาตรฐาน
			ค่าจริง	ค่าเฉลี่ย		ค่าเฉลี่ย	
12:40 AM - 12:45 AM	56.0	52.1	3.5	2.0	-	57.0	45.8
12:45 AM - 12:50 AM	56.1	56.5	-8.4	7.0	-	52.1	45.4
12:50 AM - 12:55 AM	56.9	52.1	7.8	0.5	-	62.4	44.9
12:55 AM - 01:00 AM	56.5	52.4	4.1	2.0	-	57.5	44.7
01:00 AM - 01:05 AM	55.4	49.7	5.7	1.5	-	56.9	44.4
01:05 AM - 01:10 AM	52.4	53.1	0.7	7.0	-	49.4	43.0
01:10 AM - 01:15 AM	56.2	52.3	4.9	1.5	-	59.7	42.7
01:15 AM - 01:20 AM	56.9	49.2	6.8	1.0	-	58.0	42.7
01:20 AM - 01:25 AM	54.8	52.0	2.8	3.0	-	54.8	46.3
01:25 AM - 01:30 AM	55.5	54.1	1.4	7.0	-	51.5	42.6
01:30 AM - 01:35 AM	56.0	51.6	4.4	1.5	-	56.5	44.7
01:35 AM - 01:40 AM	54.6	57.0	2.8	3.0	-	54.8	44.2
01:40 AM - 01:45 AM	57.4	53.3	4.1	2.0	-	58.4	45.9
01:45 AM - 01:50 AM	56.5	52.7	3.8	2.0	-	57.5	46.0
01:50 AM - 01:55 AM	57.8	55.0	2.8	3.0	-	57.8	47.3
01:55 AM - 02:00 AM	59.5	52.4	7.1	1.0	-	61.5	46.7
02:00 AM - 02:05 AM	55.3	51.4	3.9	2.0	-	56.3	46.4
02:05 AM - 02:10 AM	55.1	52.3	2.8	3.0	-	55.3	46.5
02:10 AM - 02:15 AM	57.0	53.6	3.4	3.0	-	57.0	46.1
02:15 AM - 02:20 AM	56.5	53.2	3.3	3.0	-	56.5	43.5
02:20 AM - 02:25 AM	57.2	51.2	6.0	1.5	-	58.7	44.3
02:25 AM - 02:30 AM	56.9	55.1	1.8	4.5	-	55.4	47.4
02:30 AM - 02:35 AM	58.7	51.8	5.1	1.5	-	60.2	45.1
02:35 AM - 02:40 AM	55.9	53.7	2.2	4.5	-	54.4	46.1
02:40 AM - 02:45 AM	57.8	52.8	5.0	1.5	-	59.3	45.7
02:45 AM - 02:50 AM	59.9	55.1	4.8	1.5	-	61.4	43.6
02:50 AM - 02:55 AM	55.6	50.5	5.1	1.5	-	57.1	44.4
02:55 AM - 03:00 AM	57.8	54.8	3.0	2.0	-	57.8	45.2
03:00 AM - 03:05 AM	58.3	52.6	5.7	1.5	-	59.8	44.2
03:05 AM - 03:10 AM	55.9	52.0	3.9	2.0	-	56.9	44.6
03:10 AM - 03:15 AM	57.8	53.4	4.4	2.0	-	58.4	44.3
03:15 AM - 03:20 AM	55.7	53.2	2.5	3.0	-	55.7	47.2
03:20 AM - 03:25 AM	58.8	53.9	4.9	1.5	-	60.3	46.2
03:25 AM - 03:30 AM	58.8	52.6	6.2	2.0	-	57.8	43.8
03:30 AM - 03:35 AM	57.9	54.6	3.3	3.0	-	57.9	45.6
03:35 AM - 03:40 AM	57.4	53.9	3.5	2.0	-	58.4	45.1
03:40 AM - 03:45 AM	56.7	51.2	5.5	1.5	-	58.2	43.6
03:45 AM - 03:50 AM	55.8	51.1	4.7	1.5	-	57.3	43.5
03:50 AM - 03:55 AM	55.0	53.4	1.6	4.5	-	53.5	43.8
03:55 AM - 04:00 AM	59.3	54.7	4.6	1.5	-	60.8	44.1

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Let ID: 23149380
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2907309-1

Sample No. 23149380-7
Parameter Noise
Location บ้านพักคนงาน/พนักงาน (GPS 48Q 279462, 1886929)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathaporn Kunasut
Sound Level Meter 00371914

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เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนในชุมชน	ระดับเสียง (dB(A))		พื้นที่เสียงรบกวน	เสียงรบกวน	ค่ามาตรฐาน
			ค่าจริง	ค่าเฉลี่ย		ค่าเฉลี่ย	
04:00 AM - 04:05 AM	58.1	54.8	3.3	3.0	-	58.1	46.8
04:05 AM - 04:10 AM	58.3	52.5	5.8	1.5	-	59.5	45.8
04:10 AM - 04:15 AM	56.4	53.2	3.2	3.0	-	56.4	46.8
04:15 AM - 04:20 AM	57.0	53.9	3.1	1.0	-	57.0	46.8
04:20 AM - 04:25 AM	58.2	54.6	3.6	2.0	-	58.2	46.0
04:25 AM - 04:30 AM	57.8	52.3	5.5	1.5	-	59.3	45.0
04:30 AM - 04:35 AM	56.9	53.9	3.0	2.0	-	57.9	45.9
04:35 AM - 04:40 AM	59.4	53.9	5.5	1.5	-	60.9	45.9
04:40 AM - 04:45 AM	59.3	54.1	5.2	1.5	-	60.8	47.3
04:45 AM - 04:50 AM	61.8	56.9	4.9	1.5	-	63.3	47.3
04:50 AM - 04:55 AM	60.3	54.1	6.2	1.5	-	61.8	45.7
04:55 AM - 05:00 AM	57.7	54.3	3.4	3.0	-	57.7	46.7
05:00 AM - 05:05 AM	59.5	55.7	3.8	2.0	-	60.5	45.1
05:05 AM - 05:10 AM	62.1	54.7	7.4	1.0	-	64.1	47.4
05:10 AM - 05:15 AM	59.3	55.3	4.0	4.5	-	59.8	47.5
05:15 AM - 05:20 AM	59.3	54.0	5.3	1.5	-	60.8	47.7
05:20 AM - 05:25 AM	59.3	54.2	5.1	1.5	-	60.8	45.9
05:25 AM - 05:30 AM	61.9	55.0	6.9	1.0	-	63.9	49.1
05:30 AM - 05:35 AM	59.0	54.2	4.8	3.0	-	59.0	47.5
05:35 AM - 05:40 AM	57.3	54.7	2.6	3.0	-	57.3	49.5
05:40 AM - 05:45 AM	61.5	58.4	3.1	3.0	-	61.5	50.9
05:45 AM - 05:50 AM	61.1	55.9	5.2	1.5	-	62.6	49.1
05:50 AM - 05:55 AM	58.6	55.8	2.8	3.0	-	58.6	46.9
05:55 AM - 06:00 AM	60.7	54.6	6.1	1.5	-	60.7	46.9
06:00 AM - 06:05 AM	60.4	58.3	4.1	2.0	60.4	-	54.2
06:05 AM - 06:10 AM	63.8	58.9	4.9	1.5	62.3	-	54.5
06:10 AM - 06:15 AM	61.9	58.7	3.2	1.5	62.0	-	54.8
06:15 AM - 06:20 AM	61.8	57.6	4.2	1.5	62.3	-	53.9
06:20 AM - 06:25 AM	63.8	58.0	5.8	1.5	62.1	-	52.6
06:25 AM - 06:30 AM	64.4	57.9	6.5	1.0	63.4	-	53.9
06:30 AM - 06:35 AM	61.6	57.7	3.9	1.5	62.1	-	52.7
06:35 AM - 06:40 AM	63.8	57.7	6.1	1.5	62.3	-	51.7

Reference Method :

1. In-house Method : SHH 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดเสียงรบกวน : ใช้ 1 เครื่องวัดเสียงรบกวนแบบเคลื่อนที่ 24 ชั่วโมง วัดระดับเสียงรบกวนจากโรงงานอุตสาหกรรม ม.ร. 2553
3. วิธีการประเมินผลกระทบ : ใช้ 1 เครื่องวัดเสียงรบกวนแบบเคลื่อนที่ 24 ชั่วโมง วัดระดับเสียงรบกวนจากโรงงานอุตสาหกรรม ม.ร. 2553
4. วิธีการคำนวณผลกระทบ : ใช้ 1 เครื่องวัดเสียงรบกวนแบบเคลื่อนที่ 24 ชั่วโมง วัดระดับเสียงรบกวนจากโรงงานอุตสาหกรรม ม.ร. 2553
5. วิธีการแสดงผล : ใช้ 1 เครื่องวัดเสียงรบกวนแบบเคลื่อนที่ 24 ชั่วโมง วัดระดับเสียงรบกวนจากโรงงานอุตสาหกรรม ม.ร. 2553

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Analysis / Test Report



Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Let ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2907268-1

Sample No. 23149353-1
Parameter Noise
Location บ้านพักคนงาน/พนักงาน (GPS 48Q 279216, 1886633) (Shut down)
Measurement Date Jan 22 - 23, 2024
Measurement by Nathaporn Kunasut
Sound Level Meter 00472123

Page 1 of 2

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:20 PM - 02:25 PM	53.7	57.8	50.8
02:25 PM - 02:30 PM	54.4	68.4	51.3
02:30 PM - 02:35 PM	55.1	70.2	51.8
02:35 PM - 02:40 PM	55.9	70.3	52.5
02:40 PM - 02:45 PM	53.4	68.2	49.8
02:45 PM - 02:50 PM	52.7	72.9	49.5
02:50 PM - 02:55 PM	52.5	68.3	48.3
02:55 PM - 03:00 PM	51.9	65.3	48.2
03:00 PM - 03:05 PM	51.3	64.1	47.7
03:05 PM - 03:10 PM	51.7	66.0	48.3
03:10 PM - 03:15 PM	51.4	67.4	47.4
03:15 PM - 03:20 PM	52.2	61.7	48.7
03:20 PM - 03:25 PM	52.4	68.2	46.0
03:25 PM - 03:30 PM	50.1	65.3	46.8
03:30 PM - 03:35 PM	50.2	58.6	43.1
03:35 PM - 03:40 PM	50.8	46.5	40.9
03:40 PM - 03:45 PM	52.0	62.9	47.9
03:45 PM - 03:50 PM	50.5	61.3	48.2
03:50 PM - 03:55 PM	52.1	64.6	48.6
03:55 PM - 04:00 PM	51.7	60.7	47.4
04:00 PM - 04:05 PM	52.9	64.6	47.9
04:05 PM - 04:10 PM	49.5	58.0	45.9
04:10 PM - 04:15 PM	50.3	59.2	46.6
04:15 PM - 04:20 PM	50.0	60.2	45.3
04:20 PM - 04:25 PM	51.2	62.1	47.0
04:25 PM - 04:30 PM	49.2	56.2	46.1
04:30 PM - 04:35 PM	52.4	60.9	45.7
04:35 PM - 04:40 PM	51.8	62.5	45.1
04:40 PM - 04:45 PM	47.4	54.4	44.3
04:45 PM - 04:50 PM	47.8	58.3	44.6
04:50 PM - 04:55 PM	48.1	57.1	41.4
04:55 PM - 05:00 PM	52.0	61.3	45.7
05:00 PM - 05:05 PM	48.9	60.6	45.4
05:05 PM - 05:10 PM	51.7	60.3	46.3
05:10 PM - 05:15 PM	49.9	56.5	45.4
05:15 PM - 05:20 PM	50.4	60.6	45.2
05:20 PM - 05:25 PM	49.6	60.6	45.0
05:25 PM - 05:30 PM	46.1	56.9	41.1
05:30 PM - 05:35 PM	48.7	61.6	42.7
05:35 PM - 05:40 PM	51.1	70.1	43.4

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Let ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report Number : 2907268-1

Sample No. 23149353-1
Parameter Noise
Location บ้านพักคนงาน/พนักงาน (GPS 48Q 279216, 1886633) (Shut down)
Measurement Date Jan 22 - 23, 2024
Measurement by Nathaporn Kunasut
Sound Level Meter 00472123

Page 2 of 2

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.6	58.9	44.0
12:45 AM - 12:50 AM	49.1	59.4	45.0
12:50 AM - 12:55 AM	47.2	58.7	43.7
12:55 AM - 01:00 AM	48.3	57.5	44.7
01:00 AM - 01:05 AM	48.1	59.6	43.7
01:05 AM - 01:10 AM	50.1	61.5	46.7
01:10 AM - 01:15 AM	48.4	57.4	43.8
01:15 AM - 01:20 AM	48.8	65.1	44.7
01:20 AM - 01:25 AM	48.9	57.8	44.1
01:25 AM - 01:30 AM	48.6	60.5	42.9
01:30 AM - 01:35 AM	48.5	58.0	42.1
01:35 AM - 01:40 AM	48.6	60.5	42.7
01:40 AM - 01:45 AM	47.4	62.4	42.4
01:45 AM - 01:50 AM	50.3	67.8	42.7
01:50 AM - 01:55 AM	48.4	62.4	42.6
01:55 AM - 02:00 AM	47.2	62.4	42.6
02:00 AM - 02:05 AM	47.0	59.6	43.6
02:05 AM - 02:10 AM	47.3	59.8	43.9
02:10 AM - 02:15 AM	48.0	65.6	43.8
02:15 AM - 02:20 AM	49.3	56.9	44.3
02:20 AM - 02:25 AM	50.2	61.7	45.8
02:25 AM - 02:30 AM	50.5	57.3	43.0
02:30 AM - 02:35 AM	51.2	62.0	45.9
02:35 AM - 02:40 AM	48.3	56.1	42.6
02:40 AM - 02:45 AM	46.7	57.2	40.6
02:45 AM - 02:50 AM	49.0	59.4	41.6
02:50 AM - 02:55 AM	47.0	59.2	41.1
02:55 AM - 03:00 AM	48.4	57.1	42.8
03:00 AM - 03:05 AM	50.4	71.0	42.4
03:05 AM - 03:10 AM	47.8	56.3	43.4
03:10 AM - 03:15 AM	48.6	58.6	43.2
03:15 AM - 03:20 AM	48.6	58.6	41.8
03:20 AM - 03:25 AM	49.1	59.2	43.1
03:25 AM - 03:30 AM	49.8	65.9	42.5
03:30 AM - 03:35 AM	50.3	63.4	42.4
03:35 AM - 03:40 AM	48.1	72.9	41.5
03:40 AM - 03:45 AM	47.7	63.9	43.1
03:45 AM - 03:50 AM	46.1	58.3	41.7
03:50 AM - 03:55 AM	46.1	58.3	41.3



Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907269-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-1
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน (GPS 48Q 279216, 188633) (หน้าวัด) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 AM - 04:00 AM	50.3	59.6	43.9
04:00 AM - 04:15 AM	48.3	59.3	43.9
04:15 AM - 04:30 AM	47.8	57.8	42.3
04:30 AM - 04:45 AM	46.4	52.6	40.6
04:45 AM - 04:55 AM	47.8	53.8	42.6
04:55 AM - 05:00 AM	50.0	56.8	44.5
05:00 AM - 05:15 AM	49.5	58.9	46.7
05:15 AM - 05:40 AM	48.3	56.5	43.9
05:40 AM - 05:45 AM	48.8	58.8	45.7
05:45 AM - 06:30 AM	50.6	64.0	48.2
06:30 AM - 06:55 AM	49.3	57.8	43.9
06:55 AM - 07:00 AM	48.3	56.8	44.4
07:00 AM - 07:05 AM	48.4	56.1	44.8
07:05 AM - 07:10 AM	50.3	59.3	46.3
07:10 AM - 07:15 AM	49.0	58.5	45.2
07:15 AM - 07:20 AM	49.3	57.4	45.4
07:20 AM - 07:25 AM	49.4	58.2	46.1
07:25 AM - 07:30 AM	50.3	60.1	46.8
07:30 AM - 07:35 AM	49.7	59.9	46.0
07:35 AM - 07:40 AM	49.5	59.5	46.1
07:40 AM - 07:45 AM	49.3	59.3	46.2
07:45 AM - 07:50 AM	50.0	60.8	47.2
07:50 AM - 07:55 AM	49.0	57.0	45.8
07:55 AM - 08:00 AM	50.6	58.1	46.8
08:00 AM - 08:05 AM	51.8	61.5	47.7
08:05 AM - 08:10 AM	52.3	62.3	50.8
08:10 AM - 09:00 AM	55.6	68.7	51.3
09:00 AM - 10:00 AM	56.5	76.5	52.0
10:00 AM - 11:00 AM	57.3	77.3	53.0
11:00 AM - 12:00 PM	54.2	76.6	50.3
12:00 PM - 01:00 PM	52.5	66.3	49.2
01:00 PM - 02:00 PM	54.5	70.2	50.4

Reference Method:

1. In-house method: STM 06-001 based on ISO 1996-1:2016
2. วิธีการวัดและประเมินค่าเสียง : ใช้วิธีการวัดและประเมินค่าเสียงตามมาตรฐาน 24 ชั่วโมง ตามวิธีวัดและประเมินค่าเสียงของกรมวิทยาศาสตร์ฯ ม. 2553

The above results are valid only for the specified test conditions and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Kasit Phol
Kasit Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907269-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน (GPS 48Q 279216, 188633) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	55.4	71.3	51.3
02:05 PM - 04:00 PM	56.2	69.9	52.6
04:00 PM - 05:00 PM	55.5	68.8	52.5
05:00 PM - 06:00 PM	55.3	70.3	51.0
06:00 PM - 07:00 PM	52.3	72.6	49.2
07:00 PM - 08:00 PM	52.3	70.6	48.1
08:00 PM - 09:00 PM	52.5	74.4	48.4
09:00 PM - 10:00 PM	51.4	68.4	46.5
10:00 PM - 10:05 PM	52.5	60.8	45.8
10:05 PM - 10:10 PM	53.0	66.7	46.7
10:10 PM - 10:15 PM	55.3	72.6	49.5
10:15 PM - 10:20 PM	58.7	79.3	46.8
10:20 PM - 10:25 PM	55.8	73.1	45.4
10:25 PM - 10:30 PM	50.5	59.0	45.2
10:30 PM - 10:35 PM	50.9	65.4	43.5
10:35 PM - 10:40 PM	51.8	68.6	44.5
10:40 PM - 10:45 PM	50.9	62.8	44.7
10:45 PM - 10:50 PM	53.7	70.3	45.5
10:50 PM - 10:55 PM	51.5	64.4	43.1
10:55 PM - 11:00 PM	51.9	63.9	42.1
11:00 PM - 11:05 PM	49.3	57.2	44.5
11:05 PM - 11:10 PM	49.9	62.6	43.5
11:10 PM - 11:15 PM	50.2	58.9	43.9
11:15 PM - 11:20 PM	49.5	59.0	45.2
11:20 PM - 11:25 PM	50.1	59.9	43.4
11:25 PM - 11:30 PM	52.0	62.1	44.6
11:30 PM - 11:35 PM	51.2	64.6	43.9
11:35 PM - 11:40 PM	49.8	58.8	44.0
11:40 PM - 11:45 PM	49.1	58.9	44.4
11:45 PM - 11:50 PM	48.7	59.8	43.0
11:50 PM - 11:55 PM	49.1	56.1	42.9
11:55 PM - 12:00 AM	50.5	64.5	44.5
12:00 AM - 12:05 AM	49.2	64.2	44.0
12:05 AM - 12:10 AM	49.0	58.8	44.8
12:10 AM - 12:15 AM	51.4	70.3	45.0
12:15 AM - 12:20 AM	51.3	64.7	43.4
12:20 AM - 12:25 AM	48.4	61.1	43.9
12:25 AM - 12:30 AM	48.8	61.9	43.0
12:30 AM - 12:35 AM	48.1	59.1	43.1
12:35 AM - 12:40 AM	49.7	64.3	43.9

The above results are valid only for the specified test conditions and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Kasit Phol
Kasit Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0008

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907269-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน (GPS 48Q 279216, 188633) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	48.6	57.3	44.4
12:45 AM - 12:50 AM	47.3	51.2	44.5
12:50 AM - 12:55 AM	47.1	56.3	44.3
12:55 AM - 01:00 AM	46.1	60.7	43.6
01:00 AM - 01:05 AM	49.1	59.9	45.4
01:05 AM - 01:10 AM	47.1	54.9	44.0
01:10 AM - 01:15 AM	46.8	57.3	45.2
01:15 AM - 01:20 AM	51.1	66.6	43.7
01:20 AM - 01:25 AM	49.7	58.6	43.9
01:25 AM - 01:30 AM	47.3	56.5	44.4
01:30 AM - 01:35 AM	47.0	57.2	43.6
01:35 AM - 01:40 AM	48.6	59.7	44.2
01:40 AM - 01:45 AM	48.2	59.7	44.0
01:45 AM - 01:50 AM	49.2	60.8	45.2
01:50 AM - 01:55 AM	48.2	57.6	44.8
01:55 AM - 02:00 AM	48.1	56.8	44.5
02:00 AM - 02:05 AM	49.0	60.1	45.3
02:05 AM - 02:10 AM	48.7	58.6	45.0
02:10 AM - 02:15 AM	49.7	66.3	45.7
02:15 AM - 02:20 AM	49.8	58.0	46.1
02:20 AM - 02:25 AM	47.8	57.2	44.3
02:25 AM - 02:30 AM	50.4	63.5	44.5
02:30 AM - 02:35 AM	49.8	61.9	46.0
02:35 AM - 02:40 AM	49.0	58.7	45.3
02:40 AM - 02:45 AM	49.2	56.7	46.1
02:45 AM - 02:50 AM	49.8	59.8	46.3
02:50 AM - 02:55 AM	50.1	63.4	46.2
02:55 AM - 03:00 AM	49.0	64.8	45.2
03:00 AM - 03:05 AM	48.4	55.1	45.6
03:05 AM - 03:10 AM	52.4	66.1	46.1
03:10 AM - 03:15 AM	48.5	57.3	45.6
03:15 AM - 03:20 AM	48.8	58.5	45.4
03:20 AM - 03:25 AM	51.2	66.0	49.2
03:25 AM - 03:30 AM	49.0	61.0	45.4
03:30 AM - 03:35 AM	49.1	59.1	45.9
03:35 AM - 03:40 AM	50.0	62.9	46.1
03:40 AM - 03:45 AM	48.8	56.5	44.6
03:45 AM - 03:50 AM	51.2	61.2	47.4
03:50 AM - 03:55 AM	48.5	57.2	46.5
03:55 AM - 04:00 AM	48.9	58.9	45.1

The above results are valid only for the specified test conditions and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

Kasit Phol
Kasit Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907269-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน (GPS 48Q 279216, 188633) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	50.7	60.2	45.8
04:05 AM - 04:10 AM	49.1	60.8	44.9
04:10 AM - 04:15 AM	49.3	58.6	44.3
04:15 AM - 04:20 AM	48.4	61.7	43.1
04:20 AM - 04:25 AM	49.4	58.3	43.6
04:25 AM - 04:30 AM	49.3	61.1	46.0
04:30 AM - 04:35 AM	50.0	60.0	46.3
04:35 AM - 04:40 AM	50.3	57.5	47.0
04:40 AM - 04:45 AM	49.3	56.8	43.8
04:45 AM - 04:50 AM	52.5	63.7	45.7
04:50 AM - 04:55 AM	52.6	65.9	47.5
04:55 AM - 05:00 AM	49.8	56.5	46.8
05:00 AM - 05:05 AM	50.4	63.9	46.3
05:05 AM - 05:10 AM	50.5	62.0	46.2
05:10 AM - 05:15 AM	50.4	59.4	46.4
05:15 AM - 05:20 AM	49.8	64.6	46.9
05:20 AM - 05:25 AM	49.6	57.1	45.4
05:25 AM - 05:30 AM	50.5	63.3	45.9
05:30 AM - 05:35 AM	50.4	62.6	46.4
05:35 AM - 05:40 AM	51.1	60.7	46.3
05:40 AM - 05:45 AM	51.2	60.3	47.4
05:45 AM - 05:50 AM	51.9	64.1	48.7
05:50 AM - 05:55 AM	50.9	58.9	48.0
05:55 AM - 06:00 AM	50.3	64.5	49.0
06:00 AM - 07:00 AM	52.4	78.4	48.2
07:00 AM - 08:00 AM	53.6	72.2	49.9
08:00 AM - 09:00 AM	52.0	70.5	50.6
09:00 AM - 10:00 AM	53.2	70.0	52.0
10:00 AM - 11:00 AM	55.1	71.0	51.3
11:00 AM - 12:00 PM	54.8	70.3	51.5
12:00 PM - 01:00 PM	52.9	68.4	48.9
01:00 PM - 02:00 PM	52.9	65.7	49.2

The above results are valid only for the specified test conditions and are not to be used for any other purpose. The results are not to be used for any other purpose. The results are not to be used for any other purpose.

Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907270-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 1

Sample No. 23149353-3
Parameter Noise
Location ทุ่นกักน้ำในห้วยน้ำใต้ (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date Jan 24 - 25, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.1	79.3	50.8
03:00 PM - 04:00 PM	54.9	79.8	51.6
04:00 PM - 05:00 PM	54.1	79.2	51.2
05:00 PM - 06:00 PM	54.2	71.6	50.4
06:00 PM - 07:00 PM	52.5	66.5	49.6
07:00 PM - 08:00 PM	52.2	71.1	49.2
08:00 PM - 09:00 PM	51.1	63.8	47.0
09:00 PM - 10:00 PM	51.2	67.9	46.5
10:00 PM - 10:55 PM	51.8	67.9	47.9
10:55 PM - 11:00 PM	51.8	67.9	47.9
11:00 PM - 11:15 PM	50.9	61.2	46.0
11:15 PM - 11:25 PM	49.4	58.9	45.5
11:25 PM - 11:35 PM	50.1	58.1	45.8
11:35 PM - 11:45 PM	49.5	55.9	45.2
11:45 PM - 11:55 PM	50.4	61.4	45.5
11:55 PM - 12:00 PM	51.1	62.2	47.1
12:00 PM - 12:05 PM	51.1	62.4	47.6
12:05 PM - 12:10 PM	51.2	69.2	45.9
12:10 PM - 12:15 PM	51.5	63.7	47.4
12:15 PM - 11:00 PM	50.5	58.3	45.5
11:00 PM - 11:05 PM	51.6	68.2	44.6
11:05 PM - 11:10 PM	49.9	61.7	46.8
11:10 PM - 11:15 PM	52.3	59.1	45.8
11:15 PM - 11:20 PM	51.0	58.8	46.0
11:20 PM - 11:25 PM	49.0	57.5	44.2
11:25 PM - 11:30 PM	49.1	56.4	43.8
11:30 PM - 11:35 PM	49.4	55.9	44.5
11:35 PM - 11:40 PM	49.1	57.7	44.0
11:40 PM - 11:45 PM	48.1	55.5	43.3
11:45 PM - 11:50 PM	51.2	64.4	44.4
11:50 PM - 11:55 PM	48.1	58.5	43.6
11:55 PM - 12:00 AM	49.0	58.1	42.7
12:00 AM - 12:05 AM	47.3	55.5	41.6
12:05 AM - 12:10 AM	49.5	57.3	42.6
12:10 AM - 12:15 AM	49.8	58.9	44.1
12:15 AM - 12:20 AM	49.4	56.3	43.8
12:20 AM - 12:25 AM	48.5	57.4	42.3
12:25 AM - 12:30 AM	48.3	57.1	43.5
12:30 AM - 12:35 AM	48.5	61.1	42.3
12:35 AM - 12:40 AM	49.3	58.9	43.8

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Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907270-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 23149353-3
Parameter Noise
Location ทุ่นกักน้ำในห้วยน้ำใต้ (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date Jan 24 - 25, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.9	56.0	42.5
12:45 AM - 12:50 AM	48.9	57.3	42.6
12:50 AM - 12:55 AM	47.4	55.3	43.6
12:55 AM - 01:00 AM	48.8	60.4	43.6
01:00 AM - 01:05 AM	47.9	56.3	43.5
01:05 AM - 01:10 AM	48.3	61.8	43.1
01:10 AM - 01:15 AM	47.8	56.6	43.6
01:15 AM - 01:20 AM	47.9	59.2	42.6
01:20 AM - 01:25 AM	48.5	58.9	44.8
01:25 AM - 01:30 AM	48.4	51.5	42.5
01:30 AM - 01:35 AM	47.1	61.5	42.7
01:35 AM - 01:40 AM	50.2	60.7	45.4
01:40 AM - 01:45 AM	48.8	58.9	45.1
01:45 AM - 01:50 AM	46.5	56.4	43.5
01:50 AM - 01:55 AM	49.6	62.8	44.2
01:55 AM - 02:00 AM	47.2	55.4	42.6
02:00 AM - 02:05 AM	48.5	58.5	44.1
02:05 AM - 02:10 AM	49.7	61.8	44.2
02:10 AM - 02:15 AM	48.0	58.0	44.8
02:15 AM - 02:20 AM	48.2	51.5	44.4
02:20 AM - 02:25 AM	48.0	60.6	43.8
02:25 AM - 02:30 AM	49.4	61.5	44.0
02:30 AM - 02:35 AM	49.6	58.9	44.8
02:35 AM - 02:40 AM	48.0	57.5	44.7
02:40 AM - 02:45 AM	48.7	60.7	44.3
02:45 AM - 02:50 AM	48.2	62.4	45.1
02:50 AM - 02:55 AM	45.2	53.1	43.5
02:55 AM - 03:00 AM	49.0	57.2	45.0
03:00 AM - 03:05 AM	48.5	58.6	44.2
03:05 AM - 03:10 AM	48.7	56.4	45.7
03:10 AM - 03:15 AM	49.3	58.1	45.3
03:15 AM - 03:20 AM	49.4	58.9	46.3
03:20 AM - 03:25 AM	48.3	56.2	44.2
03:25 AM - 03:30 AM	49.5	58.8	44.8
03:30 AM - 03:35 AM	49.1	63.3	44.6
03:35 AM - 03:40 AM	48.4	58.1	43.1
03:40 AM - 03:45 AM	46.9	55.3	43.3
03:45 AM - 03:50 AM	48.3	57.5	44.0
03:50 AM - 03:55 AM	46.7	52.9	43.4
03:55 AM - 04:00 AM	49.4	61.1	44.5

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Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907270-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 23149353-3
Parameter Noise
Location ทุ่นกักน้ำในห้วยน้ำใต้ (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date Jan 24 - 25, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	47.8	56.2	44.2
04:05 AM - 04:10 AM	47.5	56.6	44.4
04:10 AM - 04:15 AM	51.0	60.9	44.9
04:15 AM - 04:20 AM	49.1	56.6	44.1
04:20 AM - 04:25 AM	49.1	58.8	45.4
04:25 AM - 04:30 AM	50.3	61.5	45.9
04:30 AM - 04:35 AM	49.9	56.2	45.9
04:35 AM - 04:40 AM	49.6	61.2	45.1
04:40 AM - 04:45 AM	49.1	58.9	46.4
04:45 AM - 04:50 AM	49.1	61.5	45.2
04:50 AM - 04:55 AM	49.5	64.7	46.7
04:55 AM - 05:00 AM	48.3	55.4	44.9
05:00 AM - 05:05 AM	49.1	57.5	44.6
05:05 AM - 05:10 AM	48.6	57.5	45.1
05:10 AM - 05:15 AM	41.9	64.5	42.5
05:15 AM - 05:20 AM	51.8	82.6	45.0
05:20 AM - 05:25 AM	49.8	59.2	44.7
05:25 AM - 05:30 AM	50.3	57.6	45.9
05:30 AM - 05:35 AM	49.6	59.3	47.6
05:35 AM - 05:40 AM	50.3	59.0	47.2
05:40 AM - 05:45 AM	49.5	57.4	45.5
05:45 AM - 05:50 AM	50.5	59.9	46.1
05:50 AM - 05:55 AM	49.7	56.3	45.9
05:55 AM - 06:00 AM	49.0	53.7	45.8
06:00 AM - 07:00 AM	53.2	80.6	48.1
07:00 AM - 08:00 AM	53.5	70.8	49.5
08:00 AM - 09:00 AM	52.3	67.5	50.5
09:00 AM - 10:00 AM	56.3	75.9	51.9
10:00 AM - 11:00 AM	56.0	73.3	52.5
11:00 AM - 12:00 PM	55.2	72.4	51.6
12:00 PM - 01:00 PM	52.3	68.9	49.9
01:00 PM - 02:00 PM	54.4	71.6	51.0

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016

2. มาตรฐานกรมส่งเสริมการค้าระหว่างประเทศ เรื่อง การวัดระดับเสียงรบกวนในโรงงานอุตสาหกรรม 24 ชั่วโมง

The above results are valid only for the analyzed period (sample) as indicated in this report. No part of this report can be relied upon as a basis for any other purpose without the consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced in part or full.

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Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907270-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 23149353-4
Parameter Noise
Location ทุ่นกักน้ำในห้วยน้ำใต้ (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date Jan 25 - 26, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.7	76.4	51.5
03:00 PM - 04:00 PM	54.6	76.6	51.4
04:00 PM - 05:00 PM	54.9	76.3	51.7
05:00 PM - 06:00 PM	53.8	70.9	50.5
06:00 PM - 07:00 PM	52.9	68.3	49.7
07:00 PM - 08:00 PM	53.1	70.1	48.2
08:00 PM - 09:00 PM	51.8	66.6	48.1
09:00 PM - 10:00 PM	51.3	65.4	47.4
10:00 PM - 11:00 PM	52.1	61.9	47.7
11:00 PM - 11:10 PM	51.5	62.1	46.7
11:10 PM - 11:15 PM	49.7	59.4	45.9
11:15 PM - 11:20 PM	51.8	62.5	47.3
11:20 PM - 11:25 PM	49.9	57.0	46.4
11:25 PM - 11:30 PM	50.4	61.0	46.8
11:30 PM - 11:35 PM	51.9	59.6	46.8
11:35 PM - 11:40 PM	51.0	60.7	47.3
11:40 PM - 11:45 PM	50.6	65.7	45.5
11:45 PM - 11:50 PM	50.6	59.9	46.5
11:50 PM - 11:55 PM	49.9	58.4	46.2
11:55 PM - 12:00 PM	49.2	62.4	46.9
12:00 PM - 12:05 PM	50.9	63.7	47.7
12:05 PM - 12:10 PM	50.7	60.0	46.3
12:10 PM - 12:15 PM	50.4	57.5	45.7
12:15 PM - 12:20 PM	50.4	58.1	46.6
12:20 PM - 12:25 PM	50.2	61.9	46.4
12:25 PM - 12:30 PM	50.1	59.6	46.3
12:30 PM - 12:35 PM	50.3	61.1	46.9
12:35 PM - 12:40 PM	49.9	62.8	45.8
12:40 PM - 12:45 PM	49.8	57.5	45.5
12:45 PM - 12:50 AM	49.2	57.8	45.4
12:50 AM - 12:55 AM	49.9	56.5	45.1
12:55 AM - 12:59 AM	50.6	61.2	46.6
12:59 AM - 01:00 AM	48.6	55.9	45.6
01:00 AM - 01:05 AM	48.6	61.5	46.1
01:05 AM - 01:10 AM	48.4	63.0	45.9
01:10 AM - 01:15 AM	48.2	57.7	44.9
01:15 AM - 01:20 AM	50.9	65.9	45.7
01:20 AM - 01:25 AM	49.0	61.4	45.1

The above results are valid only for the analyzed period (sample) as indicated in this report. No part of this report can be relied upon as a basis for any other purpose without the consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced in part or full.

Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907272-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-4
Parameter : Noise
Location : tuftunluhahnuhn (GPS 45Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapen Kunnasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	48.8	55.3	45.9
12:45 AM - 12:50 AM	47.2	55.1	45.5
12:50 AM - 12:55 AM	47.6	58.7	46.1
12:55 AM - 01:00 AM	46.6	55.3	43.7
01:00 AM - 01:05 AM	45.6	58.0	45.6
01:05 AM - 01:10 AM	46.2	59.0	45.6
01:10 AM - 01:15 AM	47.7	60.2	46.3
01:15 AM - 01:20 AM	49.8	59.9	45.9
01:20 AM - 01:25 AM	50.0	61.3	45.5
01:25 AM - 01:30 AM	46.1	60.1	46.5
01:30 AM - 01:35 AM	47.3	56.2	43.7
01:35 AM - 01:40 AM	46.8	59.5	44.1
01:40 AM - 01:45 AM	48.5	63.1	44.8
01:45 AM - 01:50 AM	49.1	62.7	45.0
01:50 AM - 01:55 AM	48.4	63.2	45.2
01:55 AM - 02:00 AM	50.1	64.2	46.0
02:00 AM - 02:05 AM	49.4	59.1	45.4
02:05 AM - 02:10 AM	50.3	63.5	46.3
02:10 AM - 02:15 AM	50.0	59.2	45.9
02:15 AM - 02:20 AM	49.7	61.1	45.8
02:20 AM - 02:25 AM	48.6	58.6	45.1
02:25 AM - 02:30 AM	49.1	60.9	45.9
02:30 AM - 02:35 AM	47.5	58.2	44.6
02:35 AM - 02:40 AM	47.1	56.0	44.4
02:40 AM - 02:45 AM	49.1	58.3	45.3
02:45 AM - 02:50 AM	48.9	63.0	45.1
02:50 AM - 02:55 AM	49.6	63.5	45.2
02:55 AM - 03:00 AM	47.8	58.7	43.8
03:00 AM - 03:05 AM	48.2	57.3	44.1
03:05 AM - 03:10 AM	50.2	61.6	45.6
03:10 AM - 03:15 AM	48.8	58.1	44.5
03:15 AM - 03:20 AM	49.0	58.1	44.1
03:20 AM - 03:25 AM	48.3	58.5	45.3
03:25 AM - 03:30 AM	47.8	59.8	44.6
03:30 AM - 03:35 AM	49.8	59.9	44.6
03:35 AM - 03:40 AM	47.9	56.3	44.5
03:40 AM - 03:45 AM	47.8	57.4	44.3
03:45 AM - 03:50 AM	50.0	60.9	45.6
03:50 AM - 03:55 AM	51.5	61.3	46.2
03:55 AM - 04:00 AM	52.0	68.8	45.5

The above results are valid for the sound level meter used in this report. The sound level meter used in this report is a Class 1 sound level meter, type 00472123, and is calibrated by a competent authority.

Approved by

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Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907272-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-4
Parameter : Noise
Location : tuftunluhahnuhn (GPS 45Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapen Kunnasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	50.3	55.5	46.5
04:05 AM - 04:10 AM	49.9	59.6	45.6
04:10 AM - 04:15 AM	51.2	70.1	46.5
04:15 AM - 04:20 AM	52.0	70.0	45.8
04:20 AM - 04:25 AM	49.6	68.6	45.9
04:25 AM - 04:30 AM	48.7	58.6	45.5
04:30 AM - 04:35 AM	49.7	60.6	46.1
04:35 AM - 04:40 AM	50.4	60.4	46.4
04:40 AM - 04:45 AM	49.8	58.0	46.3
04:45 AM - 04:50 AM	51.1	67.1	46.5
04:50 AM - 04:55 AM	49.8	58.4	46.5
04:55 AM - 05:00 AM	49.7	58.3	46.1
05:00 AM - 05:05 AM	50.1	58.1	46.9
05:05 AM - 05:10 AM	49.9	59.3	46.3
05:10 AM - 05:15 AM	49.9	57.5	45.6
05:15 AM - 05:20 AM	49.1	56.8	45.5
05:20 AM - 05:25 AM	50.3	57.1	45.5
05:25 AM - 05:30 AM	49.8	58.8	44.9
05:30 AM - 05:35 AM	48.9	56.4	45.3
05:35 AM - 05:40 AM	49.7	57.9	46.2
05:40 AM - 05:45 AM	51.7	58.8	47.3
05:45 AM - 05:50 AM	51.4	61.5	47.9
05:50 AM - 05:55 AM	50.0	60.7	47.3
05:55 AM - 06:00 AM	50.6	62.3	46.3
06:00 AM - 06:05 AM	52.3	68.5	47.7
06:05 AM - 06:10 AM	56.1	69.3	51.3
06:10 AM - 06:15 AM	57.5	77.3	52.8
06:15 AM - 06:20 AM	57.7	78.1	52.5
06:20 AM - 06:25 AM	56.3	74.7	52.0
06:25 AM - 06:30 AM	54.6	78.5	52.7
06:30 AM - 06:35 AM	50.4	68.9	48.1
06:35 AM - 06:40 AM	55.3	75.4	49.9

Reference Method :

1. In-house method : STA 06-001 based on ISO 1996-1 : 2016
2. มาตรฐานการวัดและประเมินผล : มาตรฐานการวัดและประเมินผลเสียงรบกวนในชุมชน พ.ศ. 2553

The above results are valid for the sound level meter used in this report. The sound level meter used in this report is a Class 1 sound level meter, type 00472123, and is calibrated by a competent authority.

Approved by

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Kanokorn Anek
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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907272-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149353-5
Parameter : Noise
Location : tuftunluhahnuhn (GPS 45Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapen Kunnasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	50.3	55.9	46.5
02:05 PM - 02:10 PM	50.8	72.0	51.3
02:10 PM - 02:15 PM	55.2	76.1	51.1
02:15 PM - 02:20 PM	52.6	66.1	48.2
02:20 PM - 02:25 PM	52.4	67.9	49.3
02:25 PM - 02:30 PM	52.5	71.8	49.2
02:30 PM - 02:35 PM	51.4	65.7	47.7
02:35 PM - 02:40 PM	51.5	67.7	47.9
02:40 PM - 02:45 PM	50.5	59.4	47.5
02:45 PM - 02:50 PM	52.1	67.4	47.8
02:50 PM - 02:55 PM	51.4	65.9	47.3
02:55 PM - 03:00 PM	50.3	58.9	46.5
03:00 PM - 03:05 PM	51.3	67.3	46.4
03:05 PM - 03:10 PM	52.5	74.4	47.2
03:10 PM - 03:15 PM	51.1	61.7	47.0
03:15 PM - 03:20 PM	52.0	67.9	46.5
03:20 PM - 03:25 PM	53.5	74.4	47.2
03:25 PM - 03:30 PM	51.1	61.7	47.0
03:30 PM - 03:35 PM	52.0	67.9	46.5
03:35 PM - 03:40 PM	50.8	60.8	47.2
03:40 PM - 03:45 PM	50.5	58.8	46.0
03:45 PM - 03:50 PM	49.7	61.1	46.1
03:50 PM - 03:55 PM	51.2	54.8	46.3
03:55 PM - 04:00 PM	49.5	60.8	46.1
04:00 PM - 04:05 PM	51.6	62.3	46.6
04:05 PM - 04:10 PM	51.8	65.1	46.5
04:10 PM - 04:15 PM	50.1	62.9	46.1
04:15 PM - 04:20 PM	50.2	60.5	47.2
04:20 PM - 04:25 PM	52.4	66.0	47.0
04:25 PM - 04:30 PM	51.8	57.2	46.7
04:30 PM - 04:35 PM	51.9	63.5	47.1
04:35 PM - 04:40 PM	50.9	71.9	46.6
04:40 PM - 04:45 PM	49.5	56.3	46.7
04:45 PM - 04:50 PM	52.7	65.6	46.7
04:50 AM - 04:55 AM	49.5	59.3	46.4
04:55 AM - 05:00 AM	55.7	73.5	47.5
05:00 AM - 05:05 AM	50.8	68.8	47.4
05:05 AM - 05:10 AM	53.8	68.6	46.8
05:10 AM - 05:15 AM	51.6	65.2	46.5
05:15 AM - 05:20 AM	49.8	56.8	46.3
05:20 AM - 05:25 AM	49.7	57.8	47.2

The above results are valid for the sound level meter used in this report. The sound level meter used in this report is a Class 1 sound level meter, type 00472123, and is calibrated by a competent authority.

Approved by

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Kanokorn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907272-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-5
Parameter : Noise
Location : tuftunluhahnuhn (GPS 45Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapen Kunnasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	50.9	59.7	48.1
12:45 AM - 12:50 AM	50.8	60.7	48.1
12:50 AM - 12:55 AM	49.7	59.7	47.6
12:55 AM - 01:00 AM	51.6	60.7	48.0
01:00 AM - 01:05 AM	51.2	68.9	48.0
01:05 AM - 01:10 AM	52.4	69.5	47.3
01:10 AM - 01:15 AM	49.0	54.6	46.2
01:15 AM - 01:20 AM	49.1	58.4	46.1
01:20 AM - 01:25 AM	50.0	62.2	47.0
01:25 AM - 01:30 AM	49.2	59.3	47.3
01:30 AM - 01:35 AM	49.8	57.1	47.6
01:35 AM - 01:40 AM	52.0	65.6	48.0
01:40 AM - 01:45 AM	53.1	68.8	48.5
01:45 AM - 01:50 AM	49.7	59.3	47.7
01:50 AM - 01:55 AM	51.2	65.8	47.8
01:55 AM - 02:00 AM	49.6	60.5	46.9
02:00 AM - 02:05 AM	52.5	70.9	47.2
02:05 AM - 02:10 AM	49.1	56.9	46.6
02:10 AM - 02:15 AM	49.1	59.8	46.3
02:15 AM - 02:20 AM	49.4	57.3	47.0
02:20 AM - 02:25 AM	51.8	66.7	47.8
02:25 AM - 02:30 AM	52.0	71.9	44.9
02:30 AM - 02:35 AM	47.4	56.5	44.3
02:35 AM - 02:40 AM	51.1	66.5	46.9
02:40 AM - 02:45 AM	50.4	65.3	48.0
02:45 AM - 02:50 AM	49.4	57.0	47.6
02:50 AM - 02:55 AM	50.0	62.8	47.2
02:55 AM - 03:00 AM	50.1	54.8	47.0
03:00 AM - 03:05 AM	48.5	64.5	46.3
03:05 AM - 03:10 AM	52.0	69.7	47.3
03:10 AM - 03:15 AM	51.3	65.1	47.0
03:15 AM - 03:20 AM	51.5	69.7	46.9
03:20 AM - 03:25 AM	50.0	59.3	47.0
03:25 AM - 03:30 AM	53.6	70.9	46.9
03:30 AM - 03:35 AM	50.3	68.8	47.1
03:35 AM - 03:40 AM	51.8	61.0	46.7
03:40 AM - 03:45 AM	49.3	59.7	46.0
03:45 AM - 03:50 AM	50.5	62.7	47.7
03:50 AM - 03:55 AM	52.5	72.9	47.0
03:55 AM - 04:00 AM	49.8	55.8	47.2

The above results are valid for the sound level meter used in this report. The sound level meter used in this report is a Class 1 sound level meter, type 00472123, and is calibrated by a competent authority.

Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907273-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3


Sample No. : 23149353-5
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/Worker's Accommodation (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	50.3	58.4	46.7
04:05 AM - 04:10 AM	50.3	58.4	46.9
04:10 AM - 04:15 AM	50.4	58.4	47.2
04:15 AM - 04:20 AM	50.8	58.5	47.4
04:20 AM - 04:25 AM	50.8	58.4	47.3
04:25 AM - 04:30 AM	49.3	55.8	47.1
04:30 AM - 04:35 AM	50.9	59.1	47.2
04:35 AM - 04:40 AM	49.7	60.5	47.4
04:40 AM - 04:45 AM	49.5	56.1	46.7
04:45 AM - 04:50 AM	49.9	60.5	46.8
04:50 AM - 04:55 AM	49.7	57.1	47.1
04:55 AM - 05:00 AM	49.8	57.3	47.2
05:00 AM - 05:05 AM	49.6	54.8	47.4
05:05 AM - 05:10 AM	49.3	61.2	47.1
05:10 AM - 05:15 AM	50.4	60.8	47.1
05:15 AM - 05:20 AM	50.8	56.0	47.2
05:20 AM - 05:25 AM	51.7	58.3	48.3
05:25 AM - 05:30 AM	52.8	62.9	48.4
05:30 AM - 05:35 AM	51.0	59.4	47.6
05:35 AM - 05:40 AM	50.9	57.3	48.3
05:40 AM - 05:45 AM	51.5	57.6	48.8
05:45 AM - 05:50 AM	51.0	61.7	47.9
05:50 AM - 05:55 AM	49.0	59.3	45.5
05:55 AM - 06:00 AM	50.8	58.9	46.9
06:00 AM - 06:05 AM	51.5	64.5	47.7
06:05 AM - 06:10 AM	55.4	72.7	49.4
06:10 AM - 06:15 AM	55.7	70.0	51.0
06:15 AM - 06:20 AM	55.9	78.3	51.8
06:20 AM - 06:25 AM	54.7	77.0	50.5
06:25 AM - 06:30 AM	54.0	73.7	50.2
06:30 AM - 06:35 AM	54.1	72.8	48.8
06:35 AM - 06:40 AM	53.9	75.7	49.9

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ปริมาณการวัดและคำนวณ : ใช้มาตรฐานการวัดและคำนวณตามมาตรฐาน 24 ชั่วโมง ตามวิธีมาตรฐานของกรมควบคุมมลพิษ พ.ศ. 2553

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Approved by 
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907273-1


P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-6
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/Worker's Accommodation (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	55.4	75.9	52.7
02:05 PM - 02:10 PM	54.3	71.5	51.8
02:10 PM - 02:15 PM	56.6	77.8	51.3
02:15 PM - 02:20 PM	53.8	70.8	49.4
02:20 PM - 02:25 PM	53.2	70.7	49.6
02:25 PM - 02:30 PM	52.5	71.6	48.8
02:30 PM - 02:35 PM	51.6	69.4	48.0
02:35 PM - 02:40 PM	51.4	69.4	47.3
02:40 PM - 02:45 PM	50.3	62.2	46.2
02:45 PM - 02:50 PM	50.3	58.2	46.4
02:50 PM - 02:55 PM	50.2	58.2	46.7
02:55 PM - 03:00 PM	49.2	58.9	44.7
03:00 PM - 03:05 PM	52.9	66.4	47.2
03:05 PM - 03:10 PM	49.4	61.5	45.2
03:10 PM - 03:15 PM	48.7	59.2	44.8
03:15 PM - 03:20 PM	46.9	57.0	44.8
03:20 PM - 03:25 PM	46.7	60.4	46.3
03:25 PM - 03:30 PM	50.2	56.9	46.6
03:30 PM - 03:35 PM	50.6	56.9	46.4
03:35 PM - 03:40 PM	49.7	68.1	45.5
03:40 PM - 03:45 PM	49.8	57.3	45.2
03:45 PM - 03:50 PM	49.8	64.9	43.7
03:50 PM - 03:55 PM	49.2	58.7	43.0
03:55 PM - 04:00 PM	49.5	58.6	43.2
04:00 PM - 04:05 PM	50.6	55.9	43.0
04:05 PM - 04:10 PM	47.8	59.1	43.3
04:10 PM - 04:15 PM	49.2	58.0	43.1
04:15 PM - 04:20 PM	49.8	55.9	43.6
04:20 PM - 04:25 PM	49.5	68.8	45.1
04:25 PM - 04:30 PM	49.3	58.6	45.1
04:30 PM - 04:35 PM	49.8	59.1	45.8
04:35 PM - 04:40 PM	52.4	63.3	47.7
04:40 PM - 04:45 PM	49.9	59.8	46.8
04:45 PM - 04:50 PM	50.5	72.1	45.3
04:50 PM - 04:55 PM	48.8	60.9	44.7
04:55 PM - 05:00 PM	47.3	59.5	45.5
05:00 PM - 05:05 PM	48.1	59.4	44.7
05:05 PM - 05:10 PM	49.6	65.9	44.8
05:10 PM - 05:15 PM	47.6	59.7	43.8
05:15 PM - 05:20 PM	47.8	59.7	43.8

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Approved by 
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907273-1


P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-6
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/Worker's Accommodation (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	46.9	57.0	42.8
12:45 AM - 12:50 AM	49.2	56.5	45.2
12:50 AM - 12:55 AM	49.5	62.3	44.6
12:55 AM - 01:00 AM	46.9	59.8	45.1
01:00 AM - 01:05 AM	49.2	62.4	45.2
01:05 AM - 01:10 AM	46.4	56.9	44.5
01:10 AM - 01:15 AM	47.3	58.1	43.2
01:15 AM - 01:20 AM	47.3	54.8	43.7
01:20 AM - 01:25 AM	49.4	62.2	46.0
01:25 AM - 01:30 AM	47.8	57.9	44.3
01:30 AM - 01:35 AM	52.3	70.8	43.8
01:35 AM - 01:40 AM	48.9	58.6	45.0
01:40 AM - 01:45 AM	48.5	63.1	42.8
01:45 AM - 01:50 AM	50.3	59.2	45.9
01:50 AM - 01:55 AM	49.2	63.6	46.2
01:55 AM - 02:00 AM	51.2	62.2	47.2
02:00 AM - 02:05 AM	50.5	68.0	45.5
02:05 AM - 02:10 AM	49.3	62.9	45.1
02:10 AM - 02:15 AM	49.5	62.7	46.7
02:15 AM - 02:20 AM	48.7	57.7	44.1
02:20 AM - 02:25 AM	47.1	54.2	43.2
02:25 AM - 02:30 AM	48.3	55.9	44.3
02:30 AM - 02:35 AM	46.7	56.6	42.8
02:35 AM - 02:40 AM	47.9	54.2	43.5
02:40 AM - 02:45 AM	47.4	61.3	43.7
02:45 AM - 02:50 AM	47.8	56.8	43.6
02:50 AM - 02:55 AM	43.1	56.2	43.0
02:55 AM - 03:00 AM	47.3	56.1	43.0
03:00 AM - 03:05 AM	47.8	56.4	43.6
03:05 AM - 03:10 AM	46.7	58.8	42.2
03:10 AM - 03:15 AM	47.2	57.1	43.6
03:15 AM - 03:20 AM	47.3	55.2	42.8
03:20 AM - 03:25 AM	48.7	55.4	43.2
03:25 AM - 03:30 AM	46.5	57.1	41.8
03:30 AM - 03:35 AM	48.3	58.1	42.4
03:35 AM - 03:40 AM	48.1	56.4	44.4
03:40 AM - 03:45 AM	49.7	59.7	46.3
03:45 AM - 03:50 AM	48.9	56.4	45.3
03:50 AM - 03:55 AM	49.4	56.6	45.5
03:55 AM - 04:00 AM	49.5	61.8	45.5

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Approved by 
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907273-1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

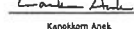
Sample No. : 23149353-6
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/Worker's Accommodation (GPS 46Q 279216, 1886633) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Natthapon Kunasut
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	49.8	72.3	43.9
04:05 AM - 04:10 AM	49.9	63.4	46.4
04:10 AM - 04:15 AM	47.9	61.9	44.4
04:15 AM - 04:20 AM	48.0	55.2	44.3
04:20 AM - 04:25 AM	46.3	54.7	43.7
04:25 AM - 04:30 AM	46.5	58.1	44.1
04:30 AM - 04:35 AM	48.4	58.0	43.9
04:35 AM - 04:40 AM	47.3	57.5	44.4
04:40 AM - 04:45 AM	46.7	57.5	45.0
04:45 AM - 04:50 AM	51.8	68.5	45.8
04:50 AM - 04:55 AM	46.4	59.1	45.2
04:55 AM - 05:00 AM	46.4	59.5	44.9
05:00 AM - 05:05 AM	46.7	62.7	45.2
05:05 AM - 05:10 AM	49.0	63.1	46.1
05:10 AM - 05:15 AM	46.4	56.4	46.7
05:15 AM - 05:20 AM	48.9	56.2	45.9
05:20 AM - 05:25 AM	50.2	63.2	45.6
05:25 AM - 05:30 AM	53.6	61.9	46.4
05:30 AM - 05:35 AM	50.0	61.8	45.8
05:35 AM - 05:40 AM	50.9	67.8	47.1
05:40 AM - 05:45 AM	50.2	61.1	47.2
05:45 AM - 05:50 AM	51.4	68.8	47.3
05:50 AM - 05:55 AM	51.0	63.7	47.4
05:55 AM - 06:00 AM	51.6	64.7	47.8
06:00 AM - 06:05 AM	51.4	70.3	47.8
06:05 AM - 06:10 AM	51.5	63.9	47.1
06:10 AM - 06:15 AM	54.8	70.2	50.3
06:15 AM - 06:20 AM	53.3	69.7	49.1
06:20 AM - 06:25 AM	54.8	70.2	50.3
06:25 AM - 06:30 AM	53.8	67.6	49.3
06:30 PM - 01:00 PM	53.8	73.5	49.5
01:00 PM - 02:00 PM	53.4	66.4	50.2

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ปริมาณการวัดและคำนวณ : ใช้มาตรฐานการวัดและคำนวณตามมาตรฐาน 24 ชั่วโมง ตามวิธีมาตรฐานของกรมควบคุมมลพิษ พ.ศ. 2553

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No : 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 23149353-7
Parameter Noise
Location ห้วยน้ำริน/ห้วยน้ำริน (GPS 48Q 279216, 1888633) (ห้วยน้ำริน) (Shut down)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathapon Kunnasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.2	65.3	50.2
03:00 PM - 04:00 PM	54.8	75.7	51.2
04:00 PM - 05:00 PM	55.3	73.1	51.4
05:00 PM - 06:00 PM	54.3	71.4	51.2
06:00 PM - 07:00 PM	53.9	72.9	49.9
07:00 PM - 08:00 PM	52.8	71.9	49.9
08:00 PM - 09:00 PM	52.4	70.1	48.9
09:00 PM - 10:00 PM	52.2	68.5	48.2
10:00 PM - 10:05 PM	50.2	57.8	48.2
10:05 PM - 10:10 PM	50.4	59.7	48.3
10:10 PM - 10:15 PM	51.2	58.9	47.7
10:15 PM - 10:20 PM	51.6	63.5	48.2
10:20 PM - 10:25 PM	50.1	64.9	48.7
10:25 PM - 10:30 PM	51.4	58.7	48.8
10:30 PM - 10:35 PM	52.4	57.7	49.5
10:35 PM - 10:40 PM	52.8	59.9	48.6
10:40 PM - 10:45 PM	51.2	61.2	47.0
10:45 PM - 10:50 PM	52.9	61.1	48.4
10:50 PM - 10:55 PM	51.9	55.1	49.1
10:55 PM - 11:00 PM	51.1	51.9	48.5
11:00 PM - 11:05 PM	51.1	55.4	49.3
11:05 PM - 11:10 PM	51.9	58.1	48.6
11:10 PM - 11:15 PM	50.9	62.1	47.2
11:15 PM - 11:20 PM	50.9	58.7	47.6
11:20 PM - 11:25 PM	51.8	61.9	48.8
11:25 PM - 11:30 PM	52.5	60.0	50.1
11:30 PM - 11:35 PM	51.4	56.8	49.0
11:35 PM - 11:40 PM	52.8	64.9	49.4
11:40 PM - 11:45 PM	52.4	59.8	51.9
11:45 PM - 11:50 PM	56.6	61.7	53.9
11:50 PM - 11:55 PM	54.3	62.0	52.0
11:55 PM - 12:00 AM	54.3	58.1	52.1
12:00 AM - 12:05 AM	53.9	60.1	50.1
12:05 AM - 12:10 AM	52.8	63.1	50.8
12:10 AM - 12:15 AM	52.3	57.5	48.0
12:15 AM - 12:20 AM	50.6	58.0	47.4
12:20 AM - 12:25 AM	49.8	58.3	46.4
12:25 AM - 12:30 AM	49.2	58.7	46.9
12:30 AM - 12:35 AM	50.3	59.9	47.3
12:35 AM - 12:40 AM	50.9	58.6	48.4

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No : 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 23149353-7
Parameter Noise
Location ห้วยน้ำริน/ห้วยน้ำริน (GPS 48Q 279216, 1888633) (ห้วยน้ำริน) (Shut down)
Measurement Date Jan 28 - 29, 2024
Measurement by Nathapon Kunnasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	50.8	60.3	48.1
12:45 AM - 12:50 AM	50.8	56.2	47.4
12:50 AM - 12:55 AM	50.6	64.2	46.9
12:55 AM - 01:00 AM	49.8	61.9	47.5
01:00 AM - 01:05 AM	49.9	58.5	46.5
01:05 AM - 01:10 AM	47.4	54.2	45.4
01:10 AM - 01:15 AM	48.9	64.1	45.1
01:15 AM - 01:20 AM	48.6	62.7	44.8
01:20 AM - 01:25 AM	46.9	57.1	43.8
01:25 AM - 01:30 AM	48.2	57.4	43.5
01:30 AM - 01:35 AM	49.4	60.7	46.3
01:35 AM - 01:40 AM	48.2	58.5	45.1
01:40 AM - 01:45 AM	50.4	62.6	47.9
01:45 AM - 01:50 AM	50.4	56.8	48.1
01:50 AM - 01:55 AM	50.1	58.9	46.5
01:55 AM - 02:00 AM	49.7	58.0	47.3
02:00 AM - 02:05 AM	50.1	58.2	47.6
02:05 AM - 02:10 AM	50.4	64.0	48.5
02:10 AM - 02:15 AM	50.6	57.3	47.9
02:15 AM - 02:20 AM	49.7	59.6	47.1
02:20 AM - 02:25 AM	50.6	58.5	46.8
02:25 AM - 02:30 AM	50.1	57.6	46.7
02:30 AM - 02:35 AM	49.1	57.2	45.9
02:35 AM - 02:40 AM	49.9	62.7	46.6
02:40 AM - 02:45 AM	49.1	61.3	46.5
02:45 AM - 02:50 AM	49.5	58.9	45.8
02:50 AM - 02:55 AM	48.1	57.5	45.8
02:55 AM - 03:00 AM	50.4	60.8	47.4
03:00 AM - 03:05 AM	48.5	58.5	45.8
03:05 AM - 03:10 AM	47.6	56.7	44.6
03:10 AM - 03:15 AM	48.1	61.8	44.7
03:15 AM - 03:20 AM	50.3	62.8	45.8
03:20 AM - 03:25 AM	48.9	56.8	46.8
03:25 AM - 03:30 AM	49.0	57.5	45.6
03:30 AM - 03:35 AM	48.4	59.4	45.1
03:35 AM - 03:40 AM	50.1	63.3	46.3
03:40 AM - 03:45 AM	50.1	64.3	47.2
03:45 AM - 03:50 AM	49.8	67.6	47.1
03:50 AM - 03:55 AM	48.7	57.1	46.2
03:55 AM - 04:00 AM	49.8	63.6	45.9

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No : 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 23149353-7
Parameter Noise
Location ห้วยน้ำริน/ห้วยน้ำริน (GPS 48Q 279216, 1888633) (ห้วยน้ำริน) (Shut down)
Measurement Date Jan 22 - 23, 2024
Measurement by Nathapon Kunnasut
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	48.9	62.6	45.4
04:05 AM - 04:10 AM	50.0	58.4	45.6
04:10 AM - 04:15 AM	49.3	59.1	45.5
04:15 AM - 04:20 AM	51.8	71.8	49.2
04:20 AM - 04:25 AM	50.4	57.7	47.7
04:25 AM - 04:30 AM	48.7	58.1	45.5
04:30 AM - 04:35 AM	48.2	55.9	45.7
04:35 AM - 04:40 AM	48.6	55.2	45.9
04:40 AM - 04:45 AM	48.5	56.0	45.1
04:45 AM - 04:50 AM	49.8	58.7	44.7
04:50 AM - 04:55 AM	50.0	61.7	45.0
04:55 AM - 05:00 AM	48.8	58.4	45.2
05:00 AM - 05:05 AM	50.7	64.9	46.5
05:05 AM - 05:10 AM	51.1	60.4	49.2
05:10 AM - 05:15 AM	50.6	65.3	48.9
05:15 AM - 05:20 AM	49.7	60.7	46.2
05:20 AM - 05:25 AM	48.4	57.5	45.5
05:25 AM - 05:30 AM	49.8	58.6	46.7
05:30 AM - 05:35 AM	49.2	59.5	45.9
05:35 AM - 05:40 AM	48.9	55.5	44.8
05:40 AM - 05:45 AM	49.3	54.9	46.6
05:45 AM - 05:50 AM	50.9	61.2	47.9
05:50 AM - 05:55 AM	49.6	58.7	46.9
05:55 AM - 06:00 AM	49.8	59.1	47.1
06:00 AM - 06:05 AM	51.5	76.1	48.6
06:05 AM - 06:10 AM	51.1	69.4	49.2
06:10 AM - 06:15 AM	56.8	76.3	50.4
06:15 AM - 06:20 AM	56.4	72.4	51.6
06:20 AM - 06:25 AM	51.9	62.5	52.2
06:25 AM - 06:30 AM	51.4	61.4	49.5
06:30 AM - 06:35 AM	51.0	69.8	49.8
06:35 AM - 06:40 PM	52.6	74.4	48.3

Reference Method :

1. In-house method (STM 06-00) based on ISO 1996-1:2016
2. วิธีการวัดและประเมินค่าเสียง : ใช้ตามวิธีมาตรฐานการวัดและประเมินค่าเสียง 24 ชั่วโมงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2551

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No : 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 23149353-8
Parameter Noise
Location ห้วยน้ำริน/ห้วยน้ำริน (GPS 48Q 279216, 1888634) (ห้วยน้ำริน) (Shut down)
Measurement Date Jan 22 - 23, 2024
Measurement by Nathapon Kunnasut
Sound Level Meter 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	48.8	60.9	43.3
03:00 PM - 04:00 PM	48.1	73.4	43.0
04:00 PM - 05:00 PM	45.8	61.3	44.1
05:00 PM - 06:00 PM	46.1	64.6	44.7
06:00 PM - 07:00 PM	49.4	64.9	46.5
07:00 PM - 08:00 PM	50.1	70.5	48.3
08:00 PM - 09:00 PM	49.8	58.2	48.7
09:00 PM - 10:00 PM	49.1	72.9	48.0
10:00 PM - 10:05 PM	49.9	56.4	49.0
10:05 PM - 10:10 PM	49.9	52.2	49.0
10:10 PM - 10:15 PM	49.9	52.4	49.2
10:15 PM - 10:20 PM	52.1	55.3	49.3
10:20 PM - 10:25 PM	50.2	55.4	49.4
10:25 PM - 10:30 PM	50.9	56.0	49.9
10:30 PM - 10:35 PM	51.1	54.5	49.5
10:35 PM - 10:40 PM	50.1	54.0	49.3
10:40 PM - 10:45 PM	50.2	54.9	50.0
10:45 PM - 10:50 PM	50.3	50.3	49.7
10:50 PM - 10:55 PM	50.1	52.1	49.6
10:55 PM - 11:00 PM	50.0	53.0	49.4
11:00 PM - 11:05 PM	50.1	54.0	49.3
11:05 PM - 11:10 PM	49.6	51.5	48.4
11:10 PM - 11:15 PM	49.2	53.1	48.1
11:15 PM - 11:20 PM	49.4	54.0	48.2
11:20 PM - 11:25 PM	49.3	55.4	47.8
11:25 PM - 11:30 PM	48.0	51.1	47.0
11:30 PM - 11:35 PM	48.4	53.7	47.1
11:35 PM - 11:40 PM	46.9	50.2	45.7
11:40 PM - 11:45 PM	46.9	50.3	45.6
11:45 PM - 11:50 PM	47.0	51.9	45.9
11:50 PM - 11:55 PM	47.1	50.0	46.1
11:55 PM - 12:00 AM	47.2	50.8	45.9
12:00 AM - 12:05 AM	47.8	50.4	46.1
12:05 AM - 12:10 AM	48.2	52.4	46.3
12:10 AM - 12:15 AM	48.3	51.7	47.4
12:15 AM - 12:20 AM	48.9	51.7	47.8
12:20 AM - 12:25 AM	48.6	51.7	47.6
12:25 AM - 12:30 AM	47.7	56.4	46.4
12:30 AM - 12:35 AM	48.1	51.8	47.2
12:35 AM - 12:40 AM	47.5	50.1	46.6

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Kasat Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No : 2907275-1

P/O :
Project Name : Factory License No.10410000125343_EJA Monitoring
Project Location :

Page 2 of 2

Sample No. : 23149353-8
Parameter : Noise
Location : ตู้โม่แป้งในหีบหมักน้ำตาล (GPS 46Q 277629, 1886764) (หน้าตู้โม่แป้ง) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.7	51.1	46.4
12:45 AM - 12:50 AM	47.8	51.5	46.9
12:50 AM - 12:55 AM	47.9	51.9	47.0
12:55 AM - 01:00 AM	47.4	50.6	46.4
01:00 AM - 01:05 AM	47.4	51.5	46.3
01:05 AM - 01:10 AM	47.4	51.4	46.3
01:10 AM - 01:15 AM	47.3	51.4	46.0
01:15 AM - 01:20 AM	47.3	52.9	46.3
01:20 AM - 01:25 AM	46.8	52.5	45.7
01:25 AM - 01:30 AM	46.0	52.5	45.5
01:30 AM - 01:35 AM	46.4	50.5	45.4
01:35 AM - 01:40 AM	46.4	50.7	45.4
01:40 AM - 01:45 AM	46.0	50.7	45.0
01:45 AM - 01:50 AM	44.9	48.4	43.9
01:50 AM - 01:55 AM	46.2	51.7	46.7
01:55 AM - 02:00 AM	46.1	50.6	45.2
02:00 AM - 02:05 AM	46.1	51.5	45.8
02:05 AM - 02:10 AM	45.8	49.0	44.7
02:10 AM - 02:15 AM	45.9	50.5	44.6
02:15 AM - 02:20 AM	46.3	50.4	45.2
02:20 AM - 02:25 AM	46.3	51.3	44.7
02:25 AM - 02:30 AM	46.6	51.8	45.4
02:30 AM - 02:35 AM	47.2	51.6	46.1
02:35 AM - 02:40 AM	47.0	51.7	46.0
02:40 AM - 02:45 AM	46.3	51.4	45.3
02:45 AM - 02:50 AM	46.4	51.0	45.4
02:50 AM - 02:55 AM	46.0	51.4	45.1
02:55 AM - 03:00 AM	45.5	52.7	45.6
03:00 AM - 03:05 AM	42.9	56.1	46.5
03:05 AM - 03:10 AM	44.7	49.8	43.7
03:10 AM - 03:15 AM	45.5	48.3	43.1
03:15 AM - 03:20 AM	43.3	48.0	41.9
03:20 AM - 03:25 AM	43.2	47.7	41.8
03:25 AM - 03:30 AM	43.3	51.4	43.5
03:30 AM - 03:35 AM	53.5	62.3	45.5
03:35 AM - 03:40 AM	54.4	66.6	46.0
03:40 AM - 03:45 AM	51.1	50.6	45.4
03:45 AM - 03:50 AM	41.4	47.5	39.8
03:50 AM - 03:55 AM	40.5	46.6	39.2
03:55 AM - 04:00 AM	39.7	56.0	38.3

The above results are valid only for the analyzed tested sample(s) as indicated in this report. For full test report or certificate may be requested in any form, without incurring charges from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reprinted or copied in full.

Approved by

Kanokorn Anek
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No : 2907275-1

P/O :
Project Name : Factory License No.10410000125343_EJA Monitoring
Project Location :

Page 2 of 2

Sample No. : 23149353-8
Parameter : Noise
Location : ตู้โม่แป้งในหีบหมักน้ำตาล (GPS 46Q 277629, 1886764) (หน้าตู้โม่แป้ง) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	48.8	62.8	39.7
04:05 AM - 04:10 AM	41.1	46.4	40.3
04:10 AM - 04:15 AM	42.7	47.4	41.6
04:15 AM - 04:20 AM	41.4	45.2	40.4
04:20 AM - 04:25 AM	41.3	45.7	40.2
04:25 AM - 04:30 AM	41.4	62.4	39.4
04:30 AM - 04:35 AM	42.4	44.7	41.6
04:35 AM - 04:40 AM	48.2	54.9	42.5
04:40 AM - 04:45 AM	50.0	57.8	44.8
04:45 AM - 04:50 AM	51.9	62.1	42.4
04:50 AM - 04:55 AM	51.9	60.2	42.9
04:55 AM - 05:00 AM	52.8	63.1	46.1
05:00 AM - 05:05 AM	54.5	65.7	50.4
05:05 AM - 05:10 AM	55.5	62.6	51.7
05:10 AM - 05:15 AM	46.3	59.3	44.2
05:15 AM - 05:20 AM	46.3	52.1	44.2
05:20 AM - 05:25 AM	45.1	51.3	43.1
05:25 AM - 05:30 AM	45.3	58.7	43.6
05:30 AM - 05:35 AM	45.8	58.9	43.8
05:35 AM - 05:40 AM	46.2	52.1	44.2
05:40 AM - 05:45 AM	45.8	50.2	44.1
05:45 AM - 05:50 AM	46.9	52.4	43.2
05:50 AM - 05:55 AM	45.3	52.4	43.8
05:55 AM - 06:00 AM	45.7	50.1	44.4
06:00 AM - 06:05 AM	47.7	57.9	45.8
06:05 AM - 06:10 AM	47.9	61.9	46.4
06:10 AM - 06:15 AM	45.5	64.4	43.3
06:15 AM - 06:20 AM	45.8	70.4	42.6
06:20 AM - 06:25 AM	44.4	61.9	43.5
06:25 AM - 06:30 AM	52.1	82.7	42.6
06:30 AM - 06:35 AM	44.5	54.3	42.6
06:35 AM - 06:40 AM	45.3	58.8	43.2

Reference Method :

1. In-house method : STM 05-001 based on ISO 1996-1 : 2016
2. มาตรฐานวิธีมาตรฐาน (ใน-house) มาตรฐานวิธีมาตรฐานตาม มาตรฐาน STM 05-001 24 มีค่า ค่าเฉลี่ยของค่าที่ได้จากการวัดค่าตามวิธีมาตรฐาน ม. 2553

The above results are valid only for the analyzed tested sample(s) as indicated in this report. For full test report or certificate may be requested in any form, without incurring charges from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reprinted or copied in full.

Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No : 2907276-1

P/O :
Project Name : Factory License No.10410000125343_EJA Monitoring
Project Location :

Page 1 of 2

Sample No. : 23149353-9
Parameter : Noise
Location : ตู้โม่แป้งในหีบหมักน้ำตาล (GPS 46Q 277629, 1886764) (หน้าตู้โม่แป้ง) (Shut down)
Measurement Date : Jan 22 - 24, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	45.5	64.3	43.2
02:05 PM - 02:10 PM	48.9	69.9	42.9
02:10 PM - 02:15 PM	50.8	63.3	44.3
02:15 PM - 02:20 PM	47.4	63.3	45.8
02:20 PM - 02:25 PM	47.5	59.7	46.1
02:25 PM - 02:30 PM	48.5	58.4	46.8
02:30 PM - 02:35 PM	48.3	61.2	46.3
02:35 PM - 02:40 PM	46.3	52.8	45.1
02:40 PM - 02:45 PM	47.2	62.3	45.2
02:45 PM - 02:50 PM	47.8	56.9	46.3
02:50 PM - 02:55 PM	47.0	50.6	45.7
02:55 PM - 03:00 PM	46.7	51.1	45.5
03:00 PM - 03:05 PM	47.0	51.4	44.6
03:05 PM - 03:10 PM	46.2	50.0	45.0
03:10 PM - 03:15 PM	47.0	61.1	45.5
03:15 PM - 03:20 PM	46.6	54.1	44.9
03:20 PM - 03:25 PM	46.2	51.6	44.6
03:25 PM - 03:30 PM	46.4	52.9	44.9
03:30 PM - 03:35 PM	46.2	50.9	45.2
03:35 PM - 03:40 PM	46.2	52.2	44.6
03:40 PM - 03:45 PM	46.2	52.2	44.6
03:45 PM - 03:50 PM	46.4	52.9	44.9
03:50 PM - 03:55 PM	46.2	50.9	45.2
03:55 PM - 04:00 PM	46.2	52.2	44.6
04:00 PM - 04:05 PM	46.2	52.2	44.6
04:05 PM - 04:10 PM	46.3	50.7	45.0
04:10 PM - 04:15 PM	46.6	52.6	44.9
04:15 PM - 04:20 PM	46.3	52.6	44.9
04:20 PM - 04:25 PM	46.3	52.6	44.9
04:25 PM - 04:30 PM	46.3	52.6	44.9
04:30 PM - 04:35 PM	46.3	52.6	44.9
04:35 PM - 04:40 PM	46.3	52.6	44.9
04:40 PM - 04:45 PM	46.3	52.6	44.9
04:45 PM - 04:50 PM	46.3	52.6	44.9
04:50 PM - 04:55 PM	46.3	52.6	44.9
04:55 PM - 05:00 PM	46.3	52.6	44.9
05:00 PM - 05:05 PM	46.3	52.6	44.9
05:05 PM - 05:10 PM	46.3	52.6	44.9
05:10 PM - 05:15 PM	46.3	52.6	44.9
05:15 PM - 05:20 PM	46.3	52.6	44.9
05:20 PM - 05:25 PM	46.3	52.6	44.9
05:25 PM - 05:30 PM	46.3	52.6	44.9
05:30 PM - 05:35 PM	46.3	52.6	44.9
05:35 PM - 05:40 PM	46.3	52.6	44.9
05:40 PM - 05:45 PM	46.3	52.6	44.9
05:45 PM - 05:50 PM	46.3	52.6	44.9
05:50 PM - 05:55 PM	46.3	52.6	44.9
05:55 PM - 06:00 PM	46.3	52.6	44.9
06:00 PM - 06:05 PM	46.3	52.6	44.9
06:05 PM - 06:10 PM	46.3	52.6	44.9
06:10 PM - 06:15 PM	46.3	52.6	44.9
06:15 PM - 06:20 PM	46.3	52.6	44.9
06:20 PM - 06:25 PM	46.3	52.6	44.9
06:25 PM - 06:30 PM	46.3	52.6	44.9
06:30 PM - 06:35 PM	46.3	52.6	44.9
06:35 PM - 06:40 PM	46.3	52.6	44.9
06:40 PM - 06:45 PM	46.3	52.6	44.9
06:45 PM - 06:50 PM	46.3	52.6	44.9
06:50 PM - 06:55 PM	46.3	52.6	44.9
06:55 PM - 07:00 PM	46.3	52.6	44.9
07:00 PM - 07:05 PM	46.3	52.6	44.9
07:05 PM - 07:10 PM	46.3	52.6	44.9
07:10 PM - 07:15 PM	46.3	52.6	44.9
07:15 PM - 07:20 PM	46.3	52.6	44.9
07:20 PM - 07:25 PM	46.3	52.6	44.9
07:25 PM - 07:30 PM	46.3	52.6	44.9
07:30 PM - 07:35 PM	46.3	52.6	44.9
07:35 PM - 07:40 PM	46.3	52.6	44.9
07:40 PM - 07:45 PM	46.3	52.6	44.9
07:45 PM - 07:50 PM	46.3	52.6	44.9
07:50 PM - 07:55 PM	46.3	52.6	44.9
07:55 PM - 08:00 PM	46.3	52.6	44.9
08:00 PM - 08:05 PM	46.3	52.6	44.9
08:05 PM - 08:10 PM	46.3	52.6	44.9
08:10 PM - 08:15 PM	46.3	52.6	44.9
08:15 PM - 08:20 PM	46.3	52.6	44.9
08:20 PM - 08:25 PM	46.3	52.6	44.9
08:25 PM - 08:30 PM	46.3	52.6	44.9
08:30 PM - 08:35 PM	46.3	52.6	44.9
08:35 PM - 08:40 PM	46.3	52.6	44.9
08:40 PM - 08:45 PM	46.3	52.6	44.9
08:45 PM - 08:50 PM	46.3	52.6	44.9
08:50 PM - 08:55 PM	46.3	52.6	44.9
08:55 PM - 09:00 PM	46.3	52.6	44.9
09:00 PM - 09:05 PM	46.3	52.6	44.9
09:05 PM - 09:10 PM	46.3	52.6	44.9
09:10 PM - 09:15 PM	46.3	52.6	44.9
09:15 PM - 09:20 PM	46.3	52.6	44.9
09:20 PM - 09:25 PM	46.3	52.6	44.9
09:25 PM - 09:30 PM	46.3	52.6	44.9
09:30 PM - 09:35 PM	46.3	52.6	44.9
09:35 PM - 09:40 PM	46.3	52.6	44.9
09:40 PM - 09:45 PM	46.3	52.6	44.9
09:45 PM - 09:50 PM	46.3	52.6	44.9
09:50 PM - 09:55 PM	46.3	52.6	44.9
09:55 PM - 10:00 PM	46.3	52.6	44.9
10:00 PM - 10:05 PM	46.3	52.6	44.9
10:05 PM - 10:10 PM	46.3	52.6	44.9
10:10 PM - 10:15 PM	46.3	52.6	44.9
10:15 PM - 10:20 PM	46.3	52.6	44.9
10:20 PM - 10:25 PM	46.3	52.6	44.9
10:25 PM - 10:30 PM	46.3	52.6	44.9
10:30 PM - 10:35 PM	46.3	52.6	44.9
10:35 PM - 10:40 PM	46.3	52.6	44.9
10:40 PM - 10:45 PM	46.3	52.6	44.9
10:45 PM - 10:50 PM	46.3	52.6	44.9
10:50 PM - 10:55 PM	46.3	52.6	44.9
10:55 PM - 11:00 PM	46.3	52.6	44.9
11:00 PM - 11:05 PM	46.3	52.6	44.9
11:05 PM - 11:10 PM	46.3	52.6	44.9
11:10 PM - 11:15 PM	46.3	52.6	44.9
11:15 PM - 11:20 PM	46.3	52.6	44.9
11:20 PM - 11:25 PM	46.3	52.6	44.9
11:25 PM - 11:30 PM	46.3	52.6	44.9
11:30 PM - 11:35 PM	46.3	52.6	44.9
11:35 PM - 11:40 PM	46.3	52.6	44.9
11:40 PM - 11:45 PM	46.3	52.6	44.9
11:45 PM - 11:50 PM	46.3	52.6	44.9
11:50 PM - 11:55 PM	46.3	52.6	44.9
11:55 PM - 12:00 AM	46.3	52.6	44.9



Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 2

Sample No. : 23149353-9
Parameter : Noise
Location : หอประชุมวัดบ้านนาหนอง (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapen Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	43.7	47.1	42.3
04:05 AM - 04:10 AM	44.0	51.0	42.7
04:10 AM - 04:15 AM	43.5	47.6	42.3
04:15 AM - 04:20 AM	44.4	52.7	42.9
04:20 AM - 04:25 AM	43.1	49.3	41.6
04:25 AM - 04:30 AM	43.0	51.7	43.4
04:30 AM - 04:35 AM	42.7	48.6	42.3
04:35 AM - 04:40 AM	43.3	47.4	43.0
04:40 AM - 04:45 AM	44.2	51.7	42.1
04:45 AM - 04:50 AM	44.3	49.8	42.7
04:50 AM - 04:55 AM	43.9	50.0	42.3
04:55 AM - 05:00 AM	44.3	46.4	43.0
05:00 AM - 05:05 AM	43.2	53.5	42.9
05:05 AM - 05:10 AM	43.7	50.2	44.0
05:10 AM - 05:15 AM	43.4	52.2	43.8
05:15 AM - 05:20 AM	43.6	52.9	43.8
05:20 AM - 05:25 AM	46.2	51.6	44.7
05:25 AM - 05:30 AM	46.3	52.2	44.9
05:30 AM - 05:35 AM	46.4	49.9	45.3
05:35 AM - 05:40 AM	46.5	52.2	45.8
05:40 AM - 05:45 AM	47.4	52.2	45.8
05:45 AM - 05:50 AM	47.5	52.3	45.9
05:50 AM - 05:55 AM	47.9	52.8	46.0
05:55 AM - 06:00 AM	47.0	53.1	45.5
06:00 AM - 06:05 AM	46.9	53.4	45.3
06:05 AM - 06:10 AM	46.0	63.0	42.6
06:10 AM - 06:15 AM	44.8	61.2	42.6
06:15 AM - 06:20 AM	44.5	58.1	42.7
06:20 AM - 06:25 AM	45.4	58.9	43.8
06:25 AM - 06:30 AM	46.0	73.1	43.8
06:30 AM - 06:35 AM	46.7	69.3	42.5
06:35 AM - 06:40 AM	44.8	71.5	42.8

Reference Method :

1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและประเมินค่าเสียง : ใช้วิธีคำนวณการแผ่กระจายเสียงจากแหล่งกำเนิดเสียง 24 ชั่วโมง และใช้ค่าการประเมินค่าเสียงตามข้อกำหนดใน ม. 2553

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 2

Sample No. : 23149353-10
Parameter : Noise
Location : หอประชุมวัดบ้านนาหนอง (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Nathapen Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	47.0	44.9	42.3
02:05 PM - 02:10 PM	45.9	59.5	44.0
02:10 PM - 02:15 PM	45.7	56.3	44.1
02:15 PM - 02:20 PM	45.7	65.2	43.7
02:20 PM - 02:25 PM	47.0	56.6	43.5
02:25 PM - 02:30 PM	46.0	44.9	44.3
02:30 PM - 02:35 PM	45.4	51.1	44.3
02:35 PM - 02:40 PM	47.3	63.0	46.1
02:40 PM - 02:45 PM	46.9	58.5	45.8
02:45 PM - 02:50 PM	47.3	53.7	45.9
02:50 PM - 02:55 PM	47.8	59.0	46.0
02:55 PM - 03:00 PM	47.3	53.3	46.2
03:00 PM - 03:05 PM	47.2	51.8	46.0
03:05 PM - 03:10 PM	47.8	55.6	46.5
03:10 PM - 03:15 PM	47.3	51.5	46.1
03:15 PM - 03:20 PM	47.3	50.1	46.2
03:20 PM - 03:25 PM	46.6	51.1	45.4
03:25 PM - 03:30 PM	46.3	50.0	45.5
03:30 PM - 03:35 PM	47.9	69.1	45.8
03:35 PM - 03:40 PM	47.9	51.6	45.8
03:40 PM - 03:45 PM	53.4	82.2	45.8
03:45 PM - 03:50 PM	48.4	60.2	46.0
03:50 PM - 03:55 PM	48.2	60.3	46.3
03:55 PM - 04:00 PM	47.6	61.7	46.3
04:00 PM - 04:05 PM	47.4	59.1	46.1
04:05 PM - 04:10 PM	46.9	56.1	45.3
04:10 PM - 04:15 PM	47.8	51.9	45.2
04:15 PM - 04:20 PM	46.6	54.8	45.0
04:20 PM - 04:25 PM	47.9	58.9	45.5
04:25 PM - 04:30 PM	46.2	54.9	45.7
04:30 PM - 04:35 PM	45.9	52.4	44.6
04:35 PM - 04:40 PM	46.4	51.8	45.0
04:40 PM - 04:45 PM	46.2	52.6	44.9
04:45 PM - 04:50 PM	46.6	48.3	45.3
04:50 PM - 04:55 PM	47.0	52.9	45.7
04:55 PM - 05:00 PM	46.3	50.8	45.2
05:00 PM - 05:05 PM	46.5	54.9	45.2
05:05 PM - 05:10 PM	46.1	53.1	44.9
05:10 PM - 05:15 PM	46.1	51.2	44.4
05:15 PM - 05:20 PM	46.2	51.3	45.1

The above results are valid only for the analytical method mentioned as included in the report. Results of the analysis are not valid if the analytical method is not used without the consent of the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the results of the analysis if the analytical method is not used without the consent of the Laboratory.

Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 2

Sample No. : 23149353-10
Parameter : Noise
Location : หอประชุมวัดบ้านนาหนอง (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Nathapen Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	52.9	66.5	44.8
12:45 AM - 12:50 AM	45.6	49.0	44.5
12:50 AM - 12:55 AM	45.9	51.3	44.6
12:55 AM - 01:00 AM	45.7	51.2	44.5
01:00 AM - 01:05 AM	46.6	54.2	45.1
01:05 AM - 01:10 AM	47.0	51.6	45.4
01:10 AM - 01:15 AM	46.0	51.4	45.3
01:15 AM - 01:20 AM	48.3	54.3	46.9
01:20 AM - 01:25 AM	48.8	52.4	46.5
01:25 AM - 01:30 AM	48.4	56.5	46.2
01:30 AM - 01:35 AM	49.6	55.1	47.3
01:35 AM - 01:40 AM	49.5	56.7	47.8
01:40 AM - 01:45 AM	49.1	55.2	46.9
01:45 AM - 01:50 AM	48.5	55.6	46.9
01:50 AM - 01:55 AM	48.7	54.5	47.1
01:55 AM - 02:00 AM	47.3	53.6	46.6
02:00 AM - 02:05 AM	48.7	51.7	47.1
02:05 AM - 02:10 AM	48.1	51.5	46.8
02:10 AM - 02:15 AM	48.3	53.0	46.7
02:15 AM - 02:20 AM	46.5	52.3	44.4
02:20 AM - 02:25 AM	44.3	48.2	43.1
02:25 AM - 02:30 AM	46.7	46.9	42.1
02:30 AM - 02:35 AM	45.6	51.5	44.5
02:35 AM - 02:40 AM	46.2	52.0	44.5
02:40 AM - 02:45 AM	43.8	53.4	44.0
02:45 AM - 02:50 AM	45.8	44.1	44.0
02:50 AM - 02:55 AM	46.9	53.6	44.8
02:55 AM - 03:00 AM	45.9	53.7	42.9
03:00 AM - 03:05 AM	46.1	51.9	44.4
03:05 AM - 03:10 AM	46.0	50.9	44.7
03:10 AM - 03:15 AM	46.0	50.8	44.3
03:15 AM - 03:20 AM	46.6	51.7	44.2
03:20 AM - 03:25 AM	45.8	51.6	44.1
03:25 AM - 03:30 AM	45.1	52.3	43.6
03:30 AM - 03:35 AM	45.2	48.7	43.5
03:35 AM - 03:40 AM	44.1	50.7	42.8
03:40 AM - 03:45 AM	44.2	53.1	42.9
03:45 AM - 03:50 AM	44.1	49.3	42.7
03:50 AM - 03:55 AM	45.1	51.4	42.7
03:55 AM - 04:00 AM	44.7	49.2	42.8

The above results are valid only for the analytical method mentioned as included in the report. Results of the analysis are not valid if the analytical method is not used without the consent of the Laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the results of the analysis if the analytical method is not used without the consent of the Laboratory.

Approved by

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Life Sciences

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 290727-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 2

Sample No. : 23149353-10
Parameter : Noise
Location : หอประชุมวัดบ้านนาหนอง (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Nathapen Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:10 AM - 01:15 AM	45.6	51.1	42.8
01:15 AM - 01:20 AM	45.6	47.6	42.8
01:20 AM - 01:25 AM	42.9	52.0	41.6
01:25 AM - 01:30 AM	43.9	46.3	41.4
01:30 AM - 01:35 AM	47.5	47.5	41.4
01:35 AM - 01:40 AM	45.0	49.1	42.8
01:40 AM - 01:45 AM	45.7	51.2	44.1
01:45 AM - 01:50 AM	46.9	50.8	45.2
01:50 AM - 01:55 AM	47.4	56.3	45.4
01:55 AM - 02:00 AM	46.4	50.0	44.4
02:00 AM - 02:05 AM	46.1	55.6	44.0
02:05 AM - 02:10 AM	45.8	52.5	43.9
02:10 AM - 02:15 AM	46.8	53.7	44.8
02:15 AM - 02:20 AM	46.7	55.1	42.2
02:20 AM - 02:25 AM	45.7	52.6	44.1
02:25 AM - 02:30 AM	45.4	50.7	42.6
02:30 AM - 02:35 AM	45.2	50.4	42.9
02:35 AM - 02:40 AM	45.4	50.7	42.6
02:40 AM - 02:45 AM	44.4	48.5	42.7
02:45 AM - 02:50 AM	45.0	49.3	42.6
02:50 AM - 02:55 AM	44.6	49.9	42.2
02:55 AM - 03:00 AM	43.3	48.7	42.1
03:00 AM - 03:05 AM	42.4	54.7	41.2
03:05 AM - 03:10 AM	45.6	45.6	42.8
03:10 AM - 03:15 AM	49.1	72.2	45.1
03:15 AM - 03:20 AM	47.1	59.4	44.7
03:20 AM - 03:25 AM	47.8	60.2	45.2
03:25 AM - 03:30 AM	47.1	44.8	43.4
03:30 AM - 03:35 AM	45.9	53.9	43.2
03:35 AM - 03:40 PM	42.1	55.1	40.8
03:40 PM - 03:45 PM	44.9	44.9	42.8

Reference Method :

1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและประเมินค่าเสียง : ใช้วิธีคำนวณการแผ่กระจายเสียงจากแหล่งกำเนิดเสียง 24 ชั่วโมง และใช้ค่าการประเมินค่าเสียงตามข้อกำหนดใน ม. 2553

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Life Sciences

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-11
Parameter : Noise
Location : ในพื้นที่/บริเวณ/พื้นที่:ถนน (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:00 PM	44.5	51.2	40.5
02:00 PM - 02:00 PM	43.5	44.2	41.5
02:00 PM - 02:00 PM	43.5	57.2	41.5
02:00 PM - 02:00 PM	42.5	58.1	40.7
02:00 PM - 02:00 PM	42.5	57.9	42.3
02:00 PM - 02:00 PM	43.5	57.2	43.9
02:00 PM - 02:00 PM	39.2	55.3	37.7
02:00 PM - 02:00 PM	39.4	58.8	38.1
02:00 PM - 02:00 PM	41.9	51.8	39.2
02:00 PM - 02:00 PM	42.9	72.0	38.7
02:00 PM - 02:00 PM	41.9	46.8	40.4
02:00 PM - 02:00 PM	41.8	45.4	40.9
02:00 PM - 02:00 PM	42.3	46.5	41.2
02:00 PM - 02:00 PM	42.3	46.3	41.4
02:00 PM - 02:00 PM	42.7	46.9	40.5
02:00 PM - 02:00 PM	42.1	46.4	41.1
02:00 PM - 02:00 PM	44.8	56.2	40.7
02:00 PM - 02:00 PM	41.1	48.9	40.1
02:00 PM - 02:00 PM	41.8	52.5	40.9
02:00 PM - 02:00 PM	43.8	57.9	42.5
02:00 PM - 02:00 PM	44.2	64.7	42.0
02:00 PM - 02:00 PM	42.9	57.2	41.8
02:00 PM - 02:00 PM	43.3	50.2	42.1
02:00 PM - 02:00 PM	43.3	46.6	42.2
02:00 PM - 02:00 PM	42.4	42.0	42.0
02:00 PM - 02:00 PM	42.3	49.9	41.0
02:00 PM - 02:00 PM	42.2	57.1	40.9
02:00 PM - 02:00 PM	41.1	50.5	39.8
02:00 PM - 02:00 PM	40.3	44.1	38.8
02:00 PM - 02:00 PM	41.3	46.6	40.1
02:00 PM - 02:00 PM	42.4	47.9	42.0
02:00 PM - 02:00 PM	43.5	48.2	42.4
02:00 PM - 02:00 PM	42.8	51.8	41.7
02:00 PM - 02:00 PM	42.1	45.2	41.1
02:00 PM - 02:00 PM	41.9	57.1	40.2
02:00 PM - 02:00 PM	41.4	49.3	40.1
02:00 PM - 02:00 PM	42.1	57.1	40.6
02:00 PM - 02:00 PM	42.1	46.6	41.1
02:00 PM - 02:00 PM	41.8	58.1	40.8
02:00 PM - 02:00 PM	42.2	56.6	41.1

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Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-11
Parameter : Noise
Location : ในพื้นที่/บริเวณ/พื้นที่:ถนน (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	42.5	57.9	40.5
12:45 AM - 12:50 AM	40.9	46.4	39.9
12:50 AM - 12:55 AM	41.5	52.5	40.2
12:55 AM - 01:00 AM	41.3	44.4	40.4
01:00 AM - 01:05 AM	41.8	49.9	39.9
01:05 AM - 01:10 AM	42.6	56.9	39.2
01:10 AM - 01:15 AM	41.7	55.5	40.0
01:15 AM - 01:20 AM	42.4	54.4	41.2
01:20 AM - 01:25 AM	42.8	55.5	41.4
01:25 AM - 01:30 AM	43.5	55.5	42.4
01:30 AM - 01:35 AM	42.9	49.7	41.8
01:35 AM - 01:40 AM	41.0	46.4	40.1
01:40 AM - 01:45 AM	41.6	54.8	40.4
01:45 AM - 01:50 AM	41.3	56.3	39.4
01:50 AM - 01:55 AM	41.8	52.5	40.1
01:55 AM - 02:00 AM	41.1	54.0	39.7
02:00 AM - 02:05 AM	40.6	47.5	38.6
02:05 AM - 02:10 AM	41.1	51.1	39.8
02:10 AM - 02:15 AM	40.6	57.1	39.2
02:15 AM - 02:20 AM	39.7	53.0	38.2
02:20 AM - 02:25 AM	40.8	56.5	38.2
02:25 AM - 02:30 AM	45.6	61.0	40.1
02:30 AM - 02:35 AM	41.3	46.9	39.9
02:35 AM - 02:40 AM	39.7	48.4	38.5
02:40 AM - 02:45 AM	38.9	44.9	37.8
02:45 AM - 02:50 AM	40.4	43.6	38.9
02:50 AM - 02:55 AM	41.7	44.4	40.5
02:55 AM - 03:00 AM	42.4	46.2	41.1
03:00 AM - 03:05 AM	43.4	47.2	42.3
03:05 AM - 03:10 AM	43.5	48.4	42.2
03:10 AM - 03:15 AM	42.5	48.0	41.1
03:15 AM - 03:20 AM	42.6	55.1	40.1
03:20 AM - 03:25 AM	41.2	49.2	41.4
03:25 AM - 03:30 AM	41.8	45.8	40.8
03:30 AM - 03:35 AM	42.0	48.8	40.7
03:35 AM - 03:40 AM	40.7	46.8	39.0
03:40 AM - 03:45 AM	41.3	49.4	39.4
03:45 AM - 03:50 AM	41.1	47.8	39.3
03:50 AM - 03:55 AM	39.7	55.2	38.4
03:55 AM - 04:00 AM	39.2	48.8	37.6

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-11
Parameter : Noise
Location : ในพื้นที่/บริเวณ/พื้นที่:ถนน (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	42.0	46.4	40.4
04:05 AM - 04:10 AM	42.7	46.5	41.3
04:10 AM - 04:15 AM	39.3	44.3	35.9
04:15 AM - 04:20 AM	38.3	45.8	35.9
04:20 AM - 04:25 AM	39.3	48.4	37.8
04:25 AM - 04:30 AM	40.3	57.1	38.3
04:30 AM - 04:35 AM	39.6	43.6	38.3
04:35 AM - 04:40 AM	39.5	45.3	38.3
04:40 AM - 04:45 AM	41.5	48.2	38.7
04:45 AM - 04:50 AM	42.0	48.8	41.0
04:50 AM - 04:55 AM	40.9	45.8	39.8
04:55 AM - 05:00 AM	42.1	53.1	40.4
05:00 AM - 05:05 AM	42.7	50.8	42.4
05:05 AM - 05:10 AM	43.6	47.2	42.4
05:10 AM - 05:15 AM	43.7	52.1	42.7
05:15 AM - 05:20 AM	44.8	51.1	43.0
05:20 AM - 05:25 AM	45.1	51.3	44.1
05:25 AM - 05:30 AM	43.4	48.8	41.5
05:30 AM - 05:35 AM	44.1	50.0	42.7
05:35 AM - 05:40 AM	43.6	48.9	41.9
05:40 AM - 05:45 AM	43.5	53.3	42.1
05:45 AM - 05:50 AM	42.2	41.0	41.0
05:50 AM - 05:55 AM	41.9	46.3	40.3
05:55 AM - 06:00 AM	43.7	49.5	42.6
06:00 AM - 07:00 AM	50.3	63.8	46.3
07:00 AM - 08:00 AM	49.6	61.4	42.7
08:00 AM - 09:00 AM	46.4	56.0	42.7
09:00 AM - 10:00 AM	48.7	59.8	43.0
10:00 AM - 11:00 AM	46.2	57.6	44.3
11:00 AM - 12:00 PM	44.5	58.3	42.4
12:00 PM - 01:00 PM	43.7	61.6	40.7
01:00 PM - 02:00 PM	49.2	62.4	42.7

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและรายงานผล : ใช้มาตรฐานการวัดและรายงานผลตามวิธีมาตรฐาน 24 ชั่วโมงตามมาตรฐานของกรมควบคุมมลพิษ พ.ศ. 2553

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Approved by

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Kasol Phol
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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149353-12
Parameter : Noise
Location : ในพื้นที่/บริเวณ/พื้นที่:ถนน (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 PM - 07:05 PM	51.0	60.3	42.4
07:05 PM - 07:10 PM	43.1	46.7	41.1
07:10 PM - 07:15 PM	44.8	56.9	41.1
07:15 PM - 07:20 PM	42.1	63.0	40.2
07:20 PM - 07:25 PM	42.7	61.8	41.7
07:25 PM - 07:30 PM	46.6	65.2	46.6
07:30 PM - 07:35 PM	49.8	67.3	46.9
07:35 PM - 07:40 PM	50.5	72.3	47.3
07:40 PM - 07:45 PM	48.8	67.0	47.1
07:45 PM - 07:50 PM	47.9	54.2	46.4
07:50 PM - 07:55 PM	47.9	54.0	46.4
07:55 PM - 08:00 PM	46.0	56.2	46.8
08:00 PM - 08:05 PM	47.9	58.0	46.4
08:05 PM - 08:10 PM	47.4	55.8	46.3
08:10 PM - 08:15 PM	47.7	51.3	46.6
08:15 PM - 08:20 PM	47.5	60.2	46.2
08:20 PM - 08:25 PM	46.6	52.5	45.4
08:25 PM - 08:30 PM	47.4	54.2	45.9
08:30 PM - 08:35 PM	47.9	54.6	46.6
08:35 PM - 08:40 PM	47.8	55.6	46.0
08:40 PM - 08:45 PM	48.2	61.9	46.6
08:45 PM - 08:50 PM	47.5	53.1	46.0
08:50 PM - 08:55 PM	47.9	53.5	46.2
08:55 PM - 09:00 PM	47.9	53.5	46.3
09:00 PM - 09:05 PM	47.2	58.4	45.8
09:05 PM - 09:10 PM	47.5	55.0	46.1
09:10 PM - 09:15 PM	47.8	54.9	46.2
09:15 PM - 09:20 PM	48.3	61.8	46.1
09:20 PM - 09:25 PM	48.3	59.2	46.6
09:25 PM - 09:30 PM	48.2	54.4	46.2
09:30 AM - 09:35 AM	48.4	55.3	46.3
09:35 AM - 09:40 AM	48.5	52.3	46.2
09:40 AM - 09:45 AM	48.5	54.8	46.3
09:45 AM - 09:50 AM	48.4	58.9	46.4
09:50 AM - 09:55 AM	47.7	52.9	46.1
09:55 AM - 10:00 AM	48.9	55.8	46.5
10:00 AM - 10:05 AM	48.4	54.3	46.2
10:05 AM - 10:10 AM	48.9	57.5	46.8

The above results are valid only for the analyzed period (sample) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) Company Limited hereby states that this report is not reproduced in any form.

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Kasol Phol
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-12
Parameter : Noise
Location : บ้านนาโพธิ์/บ้านนาโพธิ์:สวน (GPS 48Q 277629, 1886764) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:45 AM	48.7	63.2	46.4
12:45 AM - 12:55 AM	49.7	59.6	47.2
12:55 AM - 1:05 AM	49.9	56.2	46.8
1:05 AM - 1:15 AM	49.4	54.8	47.7
1:15 AM - 1:25 AM	49.1	55.9	47.4
1:25 AM - 1:35 AM	48.6	54.6	46.5
1:35 AM - 1:45 AM	46.6	50.9	45.4
1:45 AM - 1:55 AM	47.9	52.1	46.2
1:55 AM - 2:05 AM	46.3	51.5	46.9
2:05 AM - 2:15 AM	46.4	56.0	46.9
2:15 AM - 2:25 AM	50.4	57.4	47.9
2:25 AM - 2:35 AM	49.9	54.5	47.9
2:35 AM - 2:45 AM	49.4	55.6	47.7
2:45 AM - 2:55 AM	49.9	55.3	48.1
2:55 AM - 3:05 AM	48.3	54.1	46.9
3:05 AM - 3:15 AM	47.2	52.8	45.9
3:15 AM - 3:25 AM	47.0	51.2	45.8
3:25 AM - 3:35 AM	47.5	51.7	45.9
3:35 AM - 3:45 AM	46.3	51.5	46.9
3:45 AM - 3:55 AM	49.2	54.4	47.7
3:55 AM - 4:05 AM	48.5	56.3	46.9
4:05 AM - 4:15 AM	47.9	54.9	46.2
4:15 AM - 4:25 AM	47.7	52.3	46.4
4:25 AM - 4:35 AM	47.6	54.7	46.1
4:35 AM - 4:45 AM	45.9	62.1	44.5
4:45 AM - 4:55 AM	46.2	53.8	45.1
4:55 AM - 5:05 AM	46.9	53.6	43.4
5:05 AM - 5:15 AM	48.8	60.4	46.6
5:15 AM - 5:25 AM	49.9	55.1	47.4
5:25 AM - 5:35 AM	49.6	57.3	47.7
5:35 AM - 5:45 AM	49.1	53.5	47.8
5:45 AM - 5:55 AM	48.3	53.9	46.7
5:55 AM - 6:05 AM	47.1	53.2	45.5
6:05 AM - 6:15 AM	45.2	49.7	44.3
6:15 AM - 6:25 AM	47.1	53.1	45.6
6:25 AM - 6:35 AM	46.5	54.1	46.1
6:35 AM - 6:45 AM	47.0	51.7	45.5
6:45 AM - 6:55 AM	47.6	52.1	46.4
6:55 AM - 7:05 AM	48.7	55.0	46.8
7:05 AM - 7:15 AM	49.4	55.7	47.6

Approved by

Kanokorn Anek
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907279-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-12
Parameter : Noise
Location : บ้านนาโพธิ์/บ้านนาโพธิ์:สวน (GPS 48Q 277629, 1886764) (หน้าวัด) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	48.7	54.6	47.0
04:05 AM - 04:15 AM	48.0	51.5	46.9
04:15 AM - 04:25 AM	47.6	51.8	46.3
04:25 AM - 04:35 AM	47.5	55.4	45.9
04:35 AM - 04:45 AM	47.7	51.3	46.4
04:45 AM - 04:55 AM	47.5	52.4	45.6
04:55 AM - 05:05 AM	45.2	48.6	43.9
05:05 AM - 05:15 AM	44.2	46.3	43.1
05:15 AM - 05:25 AM	44.3	47.7	43.2
05:25 AM - 05:35 AM	44.1	51.6	43.0
05:35 AM - 05:45 AM	45.8	49.4	44.4
05:45 AM - 05:55 AM	47.1	53.6	45.3
05:55 AM - 06:05 AM	47.4	55.9	46.0
06:05 AM - 06:15 AM	46.1	61.5	46.4
06:15 AM - 06:25 AM	47.6	56.7	46.3
06:25 AM - 06:35 AM	47.5	52.3	46.3
06:35 AM - 06:45 AM	47.6	51.6	46.2
06:45 AM - 06:55 AM	48.0	53.2	46.7
06:55 AM - 07:05 AM	48.5	54.5	47.0
07:05 AM - 07:15 AM	47.7	53.9	47.5
07:15 AM - 07:25 AM	48.4	53.8	47.4
07:25 AM - 07:35 AM	47.8	52.6	46.7
07:35 AM - 07:45 AM	48.4	50.6	46.8
07:45 AM - 07:55 AM	47.6	51.6	45.0
07:55 AM - 08:05 AM	45.8	63.7	42.8
08:05 AM - 08:15 AM	45.0	59.0	43.1
08:15 AM - 08:25 AM	43.7	49.6	41.1
08:25 AM - 08:35 AM	43.3	58.5	41.1
08:35 AM - 08:45 AM	43.1	78.2	37.9
08:45 AM - 08:55 AM	43.0	81.5	40.4

Reference Method :

1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. มีวิธีการวัดและคำนวณ ดังต่อไปนี้: ใช้เครื่องมือวัดระดับความดังเสียงแบบพกพา 24 ชั่วโมง วัดระดับความดังเสียงในตำแหน่งที่ระบุไว้ใน ม.ร.ม. 2553

Approved by

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Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907280-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-13
Parameter : Noise
Location : บ้านนาโพธิ์/บ้านนาโพธิ์:สวน (GPS 48Q 277629, 1886764) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	45.3	70.4	42.2
02:05 PM - 02:15 PM	42.9	58.9	40.8
02:15 PM - 02:25 PM	44.9	68.4	41.2
02:25 PM - 02:35 PM	45.9	78.4	42.2
02:35 PM - 02:45 PM	47.1	57.1	43.5
02:45 PM - 02:55 PM	49.9	57.3	48.8
02:55 PM - 03:05 PM	50.0	57.3	48.9
03:05 PM - 03:15 PM	48.9	55.0	47.0
03:15 PM - 03:25 PM	49.5	53.5	46.4
03:25 PM - 03:35 PM	51.4	65.9	48.1
03:35 PM - 03:45 PM	50.0	62.5	47.4
03:45 PM - 03:55 PM	49.0	57.9	47.5
03:55 PM - 04:05 PM	48.0	53.6	47.0
04:05 PM - 04:15 PM	48.2	54.2	46.1
04:15 PM - 04:25 PM	48.2	52.0	47.8
04:25 PM - 04:35 PM	49.0	53.6	47.1
04:35 PM - 04:45 PM	48.4	53.2	47.4
04:45 PM - 04:55 PM	48.6	54.1	47.5
04:55 PM - 05:05 PM	48.5	51.9	47.4
05:05 PM - 05:15 PM	48.7	52.5	47.5
05:15 PM - 05:25 PM	48.9	55.0	47.3
05:25 PM - 05:35 PM	47.8	51.7	46.5
05:35 PM - 05:45 PM	47.3	52.9	46.2
05:45 PM - 05:55 PM	46.9	51.1	45.7
05:55 PM - 06:05 PM	47.7	52.8	46.2
06:05 PM - 06:15 PM	48.0	63.0	46.2
06:15 PM - 06:25 PM	47.9	61.2	45.4
06:25 PM - 06:35 PM	46.9	50.7	43.5
06:35 PM - 06:45 PM	47.1	51.0	43.7
06:45 PM - 06:55 PM	47.7	54.2	45.5
06:55 PM - 07:05 PM	47.5	51.0	45.1
07:05 PM - 07:15 PM	47.5	51.6	46.0
07:15 PM - 07:25 PM	47.3	51.3	45.9
07:25 PM - 07:35 PM	48.0	60.6	46.3
07:35 PM - 07:45 PM	47.5	51.9	46.4
07:45 PM - 07:55 PM	47.1	51.7	46.2
07:55 PM - 08:05 PM	47.1	51.9	45.7
08:05 PM - 08:15 PM	46.5	50.9	45.1
08:15 PM - 08:25 PM	47.3	54.6	46.0

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received :Jan 31, 2024
Date Reported :Feb 09, 2024
Report No. : 2907280-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149353-13
Parameter : Noise
Location : บ้านนาโพธิ์/บ้านนาโพธิ์:สวน (GPS 48Q 277629, 1886764) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222553

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	47.5	51.6	45.6
12:45 AM - 12:55 AM	46.8	51.4	45.4
12:55 AM - 1:05 AM	47.2	50.5	45.9
1:05 AM - 1:15 AM	46.5	51.3	45.2
1:15 AM - 1:25 AM	47.2	52.9	45.7
1:25 AM - 1:35 AM	45.0	51.9	45.5
1:35 AM - 1:45 AM	47.0	53.0	45.7
1:45 AM - 1:55 AM	47.4	50.3	46.0
1:55 AM - 2:05 AM	47.2	53.3	45.3
2:05 AM - 2:15 AM	47.0	51.2	45.0
2:15 AM - 2:25 AM	47.3	51.0	46.1
2:25 AM - 2:35 AM	46.7	50.7	46.2
2:35 AM - 2:45 AM	47.6	51.9	46.5
2:45 AM - 2:55 AM	46.6	51.4	45.8
2:55 AM - 3:05 AM	46.9	50.9	45.2
3:05 AM - 3:15 AM	46.2	51.7	44.8
3:15 AM - 3:25 AM	46.1	50.3	45.4
3:25 AM - 3:35 AM	46.4	52.8	45.0
3:35 AM - 3:45 AM	46.3	51.8	44.9
3:45 AM - 3:55 AM	45.6	51.0	44.4
3:55 AM - 4:05 AM	45.3	51.2	44.4
4:05 AM - 4:15 AM	45.9	50.5	44.8
4:15 AM - 4:25 AM	49.3	56.5	44.8
4:25 AM - 4:35 AM	46.5	48.5	44.2
4:35 AM - 4:45 AM	45.9	50.4	44.8
4:45 AM - 4:55 AM	46.0	50.4	44.7
4:55 AM - 5:05 AM	46.2	51.0	44.9
5:05 AM - 5:15 AM	45.8	49.2	44.4
5:15 AM - 5:25 AM	46.0	54.7	45.0
5:25 AM - 5:35 AM	46.0	53.3	45.2
5:35 AM - 5:45 AM	45.9	50.9	45.7
5:45 AM - 5:55 AM	46.2	49.8	45.3
5:55 AM - 6:05 AM	47.4	47.7	43.3
6:05 AM - 6:15 AM	47.3	47.3	43.3
6:15 AM - 6:25 AM	45.0	46.4	41.4
6:25 AM - 6:35 AM	46.2	50.9	44.4
6:35 AM - 6:45 AM	47.0	55.5	46.0

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307285-Rev.No.1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-17
Parameter : Noise
Location : 1km from the factory (GPS 45Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Hathaporn Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	44.1	50.7	38.0
03:30 AM - 03:35 AM	43.0	51.0	38.0
03:35 AM - 03:40 AM	43.5	51.6	38.0
03:40 AM - 03:45 AM	39.9	46.1	35.2
03:45 AM - 03:50 AM	41.3	51.7	35.2
03:50 AM - 03:55 AM	41.6	51.0	35.2
03:55 AM - 04:00 AM	41.3	52.7	35.6
04:00 AM - 04:05 AM	41.2	48.7	33.5
04:05 AM - 04:10 AM	41.0	52.8	33.8
04:10 AM - 04:15 AM	44.1	52.3	37.4
04:15 AM - 04:20 AM	41.7	51.6	36.9
04:20 AM - 04:25 AM	41.2	51.4	37.4
04:25 AM - 04:30 AM	41.3	51.6	38.1
04:30 AM - 04:35 AM	41.9	52.7	40.3
04:35 AM - 04:40 AM	41.3	52.7	38.3
04:40 AM - 04:45 AM	41.1	47.3	33.6
04:45 AM - 04:50 AM	44.1	52.9	39.8
04:50 AM - 04:55 AM	42.9	50.8	37.4
04:55 AM - 05:00 AM	42.4	51.3	38.8
05:00 AM - 05:05 AM	42.6	48.7	38.6
05:05 AM - 05:10 AM	44.0	51.4	38.9
05:10 AM - 05:15 AM	45.8	51.5	42.4
05:15 AM - 05:20 AM	44.4	52.0	41.2
05:20 AM - 05:25 AM	43.8	55.7	41.6
05:25 AM - 05:30 AM	45.2	62.0	40.6
05:30 AM - 05:35 AM	43.8	65.5	41.1
05:35 AM - 05:40 AM	43.5	55.2	41.1
05:40 AM - 05:45 AM	44.0	52.4	39.6
05:45 AM - 05:50 AM	45.5	53.4	40.9
05:50 AM - 05:55 AM	45.1	54.6	41.3
05:55 AM - 06:00 AM	43.8	53.3	40.5
06:00 AM - 07:00 AM	48.2	66.9	46.1

Reference Method :

1. In-house method : STM 06-01 based on ISO 1996-1:2016
 2. วิธีการวัดและประเมินค่าเสียง (เสียง) ที่โรงงานน้ำตาลทรายขาวบริสุทธิ์ 24 ชั่วโมง บริเวณด้านหน้าของโรงงานน้ำตาลทรายขาวบริสุทธิ์ ม. 2553
- Note : This Analysis test report is retained to supersede report No. 2307285-1. Date Reported : Feb 29, 2024 due to revise sample information.

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Kasit Phol
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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307285-Rev.No.1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-18
Parameter : Noise
Location : 1km from the factory (GPS 45Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Hathaporn Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 07:05 AM	48.8	54.3	45.9
07:05 AM - 07:10 AM	48.8	54.6	45.9
07:10 AM - 07:15 AM	48.8	54.6	45.6
07:15 AM - 07:20 AM	52.3	58.8	45.1
07:20 AM - 07:25 AM	50.1	58.3	47.7
07:25 AM - 07:30 AM	55.4	61.4	45.7
07:30 AM - 07:35 AM	49.8	59.6	43.9
07:35 AM - 07:40 AM	49.6	61.0	44.6
07:40 AM - 07:45 AM	51.5	75.4	45.9
07:45 AM - 07:50 AM	51.4	79.0	45.9
07:50 AM - 07:55 AM	56.2	81.5	48.8
07:55 AM - 08:00 AM	59.3	85.1	45.9
08:00 AM - 08:05 AM	47.1	65.1	43.8
08:05 AM - 08:10 AM	47.3	62.9	43.3
08:10 AM - 08:15 AM	46.3	60.9	41.8
08:15 AM - 08:20 AM	45.7	58.3	41.5
08:20 AM - 08:25 AM	46.3	57.7	41.9
08:25 AM - 08:30 AM	46.0	60.0	39.4
08:30 AM - 08:35 AM	45.5	55.5	42.3
08:35 AM - 08:40 AM	45.3	55.6	41.9
08:40 AM - 08:45 AM	45.8	55.3	41.1
08:45 AM - 08:50 AM	46.0	55.7	40.9
08:50 AM - 08:55 AM	44.6	53.9	40.9
08:55 AM - 09:00 AM	46.3	53.0	42.5
09:00 AM - 09:05 AM	46.7	51.4	39.3
09:05 AM - 09:10 AM	42.7	50.8	38.3
09:10 AM - 09:15 AM	42.9	50.7	35.0
09:15 AM - 09:20 AM	41.4	51.1	32.7
09:20 AM - 09:25 AM	44.2	52.3	33.2
09:25 AM - 09:30 AM	47.3	58.9	39.5
09:30 AM - 09:35 AM	44.1	55.0	37.5
09:35 AM - 09:40 AM	42.7	49.7	32.7
09:40 AM - 09:45 AM	44.9	56.1	38.5
09:45 AM - 09:50 AM	42.7	50.5	37.7
09:50 AM - 09:55 AM	41.6	51.4	38.4
09:55 AM - 10:00 AM	45.2	56.5	39.9
10:00 AM - 10:05 AM	42.9	52.6	35.1
10:05 AM - 10:10 AM	42.0	50.9	37.2
10:10 AM - 10:15 AM	44.0	50.9	39.1

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Approved by

Kasit Phol
Kasit Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307285-Rev.No.1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-18
Parameter : Noise
Location : 1km from the factory (GPS 45Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Hathaporn Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	43.8	55.2	38.3
12:10 AM - 12:15 AM	42.3	52.0	39.0
12:15 AM - 12:20 AM	44.6	54.8	36.1
12:20 AM - 12:25 AM	42.4	54.0	35.2
12:25 AM - 12:30 AM	44.5	52.0	38.2
12:30 AM - 12:35 AM	45.2	54.5	39.3
12:35 AM - 12:40 AM	41.2	54.3	34.5
12:40 AM - 12:45 AM	40.4	51.4	32.0
12:45 AM - 12:50 AM	40.5	49.8	34.7
12:50 AM - 12:55 AM	41.7	58.9	35.2
12:55 AM - 01:00 AM	42.9	55.3	36.9
01:00 AM - 01:05 AM	43.8	57.6	36.1
01:05 AM - 01:10 AM	42.6	56.7	37.8
01:10 AM - 01:15 AM	43.0	51.7	36.7
01:15 AM - 01:20 AM	44.7	55.9	36.4
01:20 AM - 01:25 AM	44.5	56.8	36.5
01:25 AM - 01:30 AM	42.3	55.5	35.7
01:30 AM - 01:35 AM	40.6	49.4	35.5
01:35 AM - 01:40 AM	41.5	48.0	36.7
01:40 AM - 01:45 AM	41.4	47.9	36.8
01:45 AM - 01:50 AM	42.4	50.6	39.3
01:50 AM - 01:55 AM	41.9	52.2	37.8
01:55 AM - 02:00 AM	46.0	56.8	37.3
02:00 AM - 02:05 AM	44.6	52.3	36.9
02:05 AM - 02:10 AM	44.9	53.7	40.2
02:10 AM - 02:15 AM	45.2	52.5	39.4
02:15 AM - 02:20 AM	42.2	48.6	35.8
02:20 AM - 02:25 AM	43.1	50.4	36.8
02:25 AM - 02:30 AM	42.7	52.7	37.3
02:30 AM - 02:35 AM	42.2	52.8	34.9
02:35 AM - 02:40 AM	42.5	49.3	34.9
02:40 AM - 02:45 AM	41.6	49.3	34.9
02:45 AM - 02:50 AM	43.6	52.8	34.4
02:50 AM - 02:55 AM	42.1	53.2	38.1
02:55 AM - 03:00 AM	42.1	51.0	33.9
03:00 AM - 03:05 AM	41.2	51.9	32.2
03:05 AM - 03:10 AM	42.7	53.2	37.7
03:10 AM - 03:15 AM	41.2	52.3	41.2
03:15 AM - 03:20 AM	44.6	56.2	39.7
03:20 AM - 03:25 AM	42.9	51.3	38.6

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Approved by

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Kasit Phol
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307285-Rev.No.1

P/O :
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-18
Parameter : Noise
Location : 1km from the factory (GPS 45Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Hathaporn Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	44.6	54.6	38.2
03:30 AM - 03:35 AM	45.4	55.7	40.4
03:35 AM - 03:40 AM	45.8	56.5	37.1
03:40 AM - 03:45 AM	42.0	52.7	33.8
03:45 AM - 03:50 AM	43.6	51.1	36.9
03:50 AM - 03:55 AM	41.4	51.5	34.0
03:55 AM - 04:00 AM	44.0	54.0	35.9
04:00 AM - 04:05 AM	45.5	55.0	41.0
04:05 AM - 04:10 AM	44.5	54.3	37.4
04:10 AM - 04:15 AM	42.9	51.8	36.8
04:15 AM - 04:20 AM	44.1	55.4	38.1
04:20 AM - 04:25 AM	42.2	47.9	40.4
04:25 AM - 04:30 AM	42.7	52.7	39.8
04:30 AM - 04:35 AM	44.9	51.5	40.1
04:35 AM - 04:40 AM	44.0	52.1	40.1
04:40 AM - 04:45 AM	45.5	52.7	40.6
04:45 AM - 04:50 AM	45.8	55.6	39.3
04:50 AM - 04:55 AM	44.0	51.1	40.7
04:55 AM - 05:00 AM	44.6	56.2	41.3
05:00 AM - 05:05 AM	44.8	55.1	40.6
05:05 AM - 05:10 AM	44.2	57.7	42.0
05:10 AM - 05:15 AM	44.6	54.6	42.7
05:15 AM - 05:20 AM	45.7	56.0	41.6
05:20 AM - 05:25 AM	45.9	52.0	42.6
05:25 AM - 05:30 AM	41.4	54.8	41.8
05:30 AM - 05:35 AM	47.1	54.9	41.2
05:35 AM - 05:40 AM	45.2	55.2	43.0
05:40 AM - 05:45 AM	43.2	51.5	41.5
05:45 AM - 05:50 AM	44.4	58.5	41.3
05:50 AM - 05:55 AM	45.3	55.3	43.0

Reference Method :

1. In-house method : STM 06-01 based on ISO 1996-1:2016
 2. วิธีการวัดและประเมินค่าเสียง (เสียง) ที่โรงงานน้ำตาลทรายขาวบริสุทธิ์ 24 ชั่วโมง บริเวณด้านหน้าของโรงงานน้ำตาลทรายขาวบริสุทธิ์ ม. 2553
- Note : This Analysis test report is retained to supersede report No. 2307285-1. Date Reported : Feb 01, 2024 due to revise sample information.

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307286-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : Z3149353-19
Parameter : Noise
Location : 1km from the boundary (GPS 48Q 279854, 1889320) (shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	53.8	64.2	47.4
08:00 AM - 09:00 AM	49.9	70.9	45.6
09:00 AM - 10:00 AM	49.8	71.1	45.4
10:00 AM - 11:00 AM	47.9	79.2	43.0
11:00 AM - 12:00 PM	60.1	86.7	48.1
12:00 PM - 01:00 PM	57.1	85.9	46.7
01:00 PM - 02:00 PM	46.8	72.5	42.5
02:00 PM - 03:00 PM	46.4	63.4	42.0
03:00 PM - 04:00 PM	52.7	78.3	44.8
04:00 PM - 05:00 PM	50.9	78.7	45.0
05:00 PM - 06:00 PM	50.0	70.5	43.2
06:00 PM - 07:00 PM	48.7	64.4	43.7
07:00 PM - 08:00 PM	48.3	57.6	43.0
08:00 PM - 09:00 PM	48.5	66.9	43.5
09:00 PM - 10:00 PM	47.2	58.7	44.2
10:00 PM - 10:30 PM	45.3	57.4	43.2
10:30 PM - 10:45 PM	46.1	58.0	43.5
10:45 PM - 10:55 PM	42.8	48.4	39.8
10:55 PM - 11:00 PM	46.8	56.5	43.5
11:00 PM - 11:15 PM	47.8	59.1	42.1
11:15 PM - 11:30 PM	47.6	65.3	42.9
11:30 PM - 11:45 PM	45.6	55.9	42.0
11:45 PM - 12:00 AM	47.9	64.3	43.3
12:00 AM - 12:15 PM	48.3	59.8	42.3
12:15 PM - 12:30 PM	48.1	58.4	42.7
12:30 PM - 12:45 PM	45.6	51.7	42.3
12:45 PM - 12:55 PM	45.4	51.0	42.2
12:55 PM - 01:00 AM	45.4	56.7	41.8
01:00 AM - 01:15 PM	46.0	58.1	41.3
01:15 PM - 01:30 PM	45.3	58.1	41.3
01:30 PM - 01:45 PM	44.9	53.8	40.5
01:45 PM - 01:55 PM	46.4	59.1	40.3
01:55 PM - 02:00 PM	45.9	53.8	41.5
02:00 PM - 02:15 PM	45.2	54.3	39.7
02:15 PM - 02:30 PM	45.9	53.9	41.2
02:30 PM - 02:45 PM	44.4	54.2	39.4
02:45 PM - 02:55 PM	42.4	47.8	41.5
02:55 PM - 03:00 PM	43.5	53.3	41.6
03:00 PM - 03:15 PM	46.2	53.3	42.0
03:15 PM - 03:30 AM	45.3	55.8	39.8

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307286-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : Z3149353-19
Parameter : Noise
Location : 1km from the boundary (GPS 48Q 279854, 1889320) (shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:00 AM	46.2	56.0	42.1
01:00 AM - 01:15 AM	46.5	55.6	42.7
01:15 AM - 01:30 AM	45.1	51.9	40.1
01:30 AM - 01:45 AM	43.5	55.5	40.0
01:45 AM - 01:55 AM	47.2	52.7	43.0
01:55 AM - 02:00 AM	44.4	52.7	40.3
02:00 AM - 02:15 AM	45.3	51.1	41.8
02:15 AM - 02:45 AM	46.4	58.7	41.9
02:45 AM - 02:55 AM	45.7	55.1	41.4
02:55 AM - 03:00 AM	45.5	54.5	39.0
03:00 AM - 03:15 AM	44.4	51.2	39.4
03:15 AM - 03:30 AM	44.5	61.4	42.3
03:30 AM - 03:45 AM	44.8	54.5	43.7
03:45 AM - 03:55 AM	43.0	48.5	39.6
03:55 AM - 04:00 AM	43.3	54.8	41.8
04:00 AM - 04:15 AM	43.3	56.4	41.9
04:15 AM - 04:30 AM	43.8	50.9	41.5
04:30 AM - 04:45 AM	43.6	55.3	43.4
04:45 AM - 04:55 AM	45.3	57.4	41.4
04:55 AM - 05:00 AM	44.5	54.1	40.8
05:00 AM - 05:15 AM	44.1	49.9	41.2
05:15 AM - 05:30 AM	44.4	54.3	41.6
05:30 AM - 05:45 AM	43.9	50.8	41.9
05:45 AM - 05:55 AM	44.2	50.2	40.3
05:55 AM - 06:00 AM	42.5	46.3	41.1
06:00 AM - 06:15 AM	44.7	63.1	41.4
06:15 AM - 06:30 AM	44.3	54.4	39.4
06:30 AM - 06:45 AM	43.0	49.5	38.1
06:45 AM - 06:55 AM	44.3	53.2	37.9
06:55 AM - 07:00 AM	44.9	51.8	41.5
07:00 AM - 07:15 AM	46.4	59.4	43.0
07:15 AM - 07:30 AM	46.4	59.2	42.8
07:30 AM - 07:45 AM	46.8	57.9	41.7
07:45 AM - 07:55 AM	46.1	61.8	43.1
07:55 AM - 08:00 AM	51.8	69.2	43.9
08:00 AM - 08:15 AM	46.1	46.7	41.2
08:15 AM - 08:30 AM	44.3	44.5	42.5
08:30 AM - 08:45 AM	43.9	52.7	40.8
08:45 AM - 08:55 AM	44.2	54.7	39.1
08:55 AM - 09:00 AM	46.4	51.5	41.2

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307286-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : Z3149353-19
Parameter : Noise
Location : 1km from the boundary (GPS 48Q 279854, 1889320) (shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:40 AM	45.5	57.3	40.8
03:40 AM - 03:55 AM	43.4	51.9	38.2
03:55 AM - 04:10 AM	43.9	53.5	38.4
04:10 AM - 04:25 AM	43.0	52.0	38.8
04:25 AM - 04:40 AM	43.6	52.6	38.7
04:40 AM - 04:55 AM	43.7	51.1	36.6
04:55 AM - 05:10 AM	43.8	50.6	35.6
05:10 AM - 05:25 AM	46.7	53.2	41.0
05:25 AM - 05:40 AM	43.3	56.1	38.3
05:40 AM - 05:55 AM	43.9	51.0	40.1
05:55 AM - 06:10 AM	43.7	49.0	38.2
06:10 AM - 06:25 AM	44.8	54.6	41.6
06:25 AM - 06:40 AM	44.9	52.6	40.4
06:40 AM - 06:55 AM	46.8	54.1	40.1
06:55 AM - 07:10 AM	46.3	58.4	41.8
07:10 AM - 07:25 AM	44.6	51.1	40.2
07:25 AM - 07:40 AM	45.4	42.6	41.6
07:40 AM - 07:55 AM	45.5	54.4	41.3
07:55 AM - 08:10 AM	45.5	56.4	41.6
08:10 AM - 08:25 AM	43.5	52.5	39.1
08:25 AM - 08:40 AM	43.0	49.5	38.8
08:40 AM - 08:55 AM	46.0	55.7	42.2
08:55 AM - 09:10 AM	46.4	53.8	42.3
09:10 AM - 09:25 AM	47.9	56.1	44.8
09:25 AM - 09:40 AM	46.9	59.1	43.4
09:40 AM - 09:55 AM	48.6	68.0	43.5
09:55 AM - 10:10 AM	46.1	58.5	41.8
10:10 AM - 10:25 AM	46.3	55.9	43.4
10:25 AM - 10:40 AM	46.6	56.9	42.9
10:40 AM - 10:55 AM	46.5	56.4	42.5
10:55 AM - 11:10 AM	42.5	52.9	43.5
11:10 AM - 11:25 AM	49.1	69.3	45.0

Reference Method :

- In-house method : STM 06-061 based on ISO 1996-1 : 2016
- ใช้วิธีการวัดแบบต่อเนื่อง (Real Time) ด้วยเครื่องวัดระดับความดังเสียงแบบเคลื่อนที่ 24 ชั่วโมง และประมวลผลข้อมูลเสียงตามข้อกำหนดในมาตรา 25.53 (Note : This Analysis test report is returned to supersede report No. 2307286-1, Date Reported : Feb 09, 2024 due to revise sample information.

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received: Jan 31, 2024
Date Reported: Jul 05, 2024
Report No.: 2307286-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : Z3149353-20
Parameter : Noise
Location : 1km from the boundary (GPS 48Q 279854, 1889320) (shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	57.5	76.6	46.5
08:00 AM - 09:00 AM	57.8	75.0	45.0
09:00 AM - 10:00 AM	47.5	69.7	40.9
10:00 AM - 11:00 AM	46.8	65.8	40.0
11:00 AM - 12:00 PM	46.5	62.9	42.9
12:00 PM - 01:00 PM	44.1	71.4	41.8
01:00 PM - 02:00 PM	48.7	63.9	44.4
02:00 PM - 02:45 PM	46.7	69.8	43.6
02:45 PM - 03:00 PM	47.3	67.5	41.6
03:00 PM - 03:20 PM	49.6	69.1	44.1
03:20 PM - 03:50 PM	49.8	77.7	45.1
03:50 PM - 04:00 PM	46.8	64.9	44.3
04:00 PM - 04:30 PM	49.6	72.5	46.7
04:30 PM - 04:45 PM	47.9	64.7	43.2
04:45 PM - 05:00 PM	46.2	67.9	44.0
05:00 PM - 05:15 PM	45.3	61.6	41.6
05:15 PM - 05:30 PM	42.9	48.5	41.1
05:30 PM - 05:45 PM	42.9	54.0	41.0
05:45 PM - 06:00 PM	46.9	63.0	42.0
06:00 PM - 06:15 PM	45.5	54.2	41.0
06:15 PM - 06:30 PM	45.1	58.8	42.0
06:30 PM - 06:45 PM	46.0	57.0	41.8
06:45 PM - 07:00 PM	45.6	51.6	42.5
07:00 PM - 07:15 PM	44.1	54.1	41.2
07:15 PM - 07:30 PM	44.2	55.2	41.0
07:30 PM - 07:45 PM	45.8	54.4	42.0
07:45 PM - 08:00 PM	44.9	52.5	41.8
08:00 PM - 08:15 PM	45.9	54.7	42.6
08:15 PM - 08:30 PM	45.0	51.7	42.7
08:30 PM - 08:45 PM	44.0	51.3	39.5
08:45 PM - 09:00 PM	43.5	49.2	40.5
09:00 PM - 09:15 PM	45.1	54.2	41.2
09:15 PM - 09:30 PM	43.8	51.8	39.4
09:30 PM - 09:45 PM	43.2	53.6	42.0
09:45 PM - 10:00 PM	42.4	49.0	39.4
10:00 PM - 10:15 PM	43.5	50.5	40.6
10:15 PM - 10:30 AM	44.8	52.2	41.3

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Jul 05, 2024
Report No. : 2907287-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-20
Parameter : Noise
Location : 1km/100m/100m (GPS 48Q 279854, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Natthapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	42.3	52.6	40.3
12:10 AM - 12:15 AM	43.5	52.1	41.1
12:15 AM - 12:20 AM	44.7	56.7	42.6
12:20 AM - 12:25 AM	42.8	48.6	39.1
12:25 AM - 12:30 AM	43.6	50.2	40.8
12:30 AM - 12:35 AM	44.5	53.4	41.4
12:35 AM - 12:40 AM	43.1	43.5	39.5
12:40 AM - 12:45 AM	42.2	53.2	39.5
12:45 AM - 12:50 AM	44.0	53.1	39.2
12:50 AM - 12:55 AM	42.8	51.8	39.7
12:55 AM - 01:00 AM	42.3	51.7	39.8
01:00 AM - 01:05 AM	41.5	52.8	37.5
01:05 AM - 01:10 AM	42.7	51.8	39.4
01:10 AM - 01:15 AM	40.3	50.7	36.1
01:15 AM - 01:20 AM	42.3	54.1	39.7
01:20 AM - 01:25 AM	44.4	52.0	38.7
01:25 AM - 01:30 AM	42.7	51.1	38.0
01:30 AM - 01:35 AM	43.8	51.8	39.3
01:35 AM - 01:40 AM	43.9	56.4	39.6
01:40 AM - 01:45 AM	42.3	54.8	37.4
01:45 AM - 01:50 AM	42.4	51.4	37.2
01:50 AM - 01:55 AM	44.1	55.6	37.3
01:55 AM - 02:00 AM	43.0	56.8	37.7
02:00 AM - 02:05 AM	41.3	53.4	37.1
02:05 AM - 02:10 AM	41.7	53.9	35.6
02:10 AM - 02:15 AM	42.1	49.4	37.1
02:15 AM - 02:20 AM	41.1	50.2	37.0
02:20 AM - 02:25 AM	39.9	47.6	34.5
02:25 AM - 02:30 AM	40.9	46.8	36.4
02:30 AM - 02:35 AM	40.5	51.1	35.5
02:35 AM - 02:40 AM	41.1	51.8	36.5
02:40 AM - 02:45 AM	40.7	49.9	34.3
02:45 AM - 02:50 AM	39.7	48.0	34.7
02:50 AM - 02:55 AM	42.7	52.6	38.1
02:55 AM - 03:00 AM	43.1	53.9	37.4
03:00 AM - 03:05 AM	47.5	67.3	36.0
03:05 AM - 03:10 AM	48.9	68.6	36.9
03:10 AM - 03:15 AM	41.8	51.5	35.9
03:15 AM - 03:20 AM	41.4	50.1	33.7
03:20 AM - 03:25 AM	42.3	50.1	36.9

The above results are valid only for the analyzed period and are not intended to be used for any other purpose. The results are not to be used for any other purpose without the written consent of ALS Laboratory Group (Thailand) Co., Ltd. or its subsidiaries.

Approved by

Kanokorn Anuk

Kanokorn Anuk
Senior Manager

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Life Sciences

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Jul 05, 2024
Report No. : 2907287-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149353-20
Parameter : Noise
Location : 1km/100m/100m (GPS 48Q 279854, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 27 - 28, 2024
Measurement by : Natthapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	42.2	41.0	39.9
03:30 AM - 03:35 AM	40.1	49.9	38.1
03:35 AM - 03:40 AM	43.6	51.9	39.6
03:40 AM - 03:45 AM	41.6	48.5	36.5
03:45 AM - 03:50 AM	42.4	50.1	37.5
03:50 AM - 03:55 AM	42.0	49.0	37.5
03:55 AM - 04:00 AM	41.9	54.4	38.9
04:00 AM - 04:05 AM	41.8	50.8	38.9
04:05 AM - 04:10 AM	42.9	55.3	37.4
04:10 AM - 04:15 AM	42.7	54.4	36.6
04:15 AM - 04:20 AM	44.5	66.2	36.8
04:20 AM - 04:25 AM	43.9	62.1	38.3
04:25 AM - 04:30 AM	44.7	52.9	37.6
04:30 AM - 04:35 AM	42.1	60.2	35.9
04:35 AM - 04:40 AM	41.4	52.2	34.4
04:40 AM - 04:45 AM	46.6	69.6	37.1
04:45 AM - 04:50 AM	44.8	67.0	36.2
04:50 AM - 04:55 AM	44.3	56.8	37.5
04:55 AM - 05:00 AM	44.1	62.8	37.0
05:00 AM - 05:05 AM	43.0	54.4	37.8
05:05 AM - 05:10 AM	43.4	54.0	36.9
05:10 AM - 05:15 AM	43.8	50.5	37.7
05:15 AM - 05:20 AM	42.7	58.6	38.1
05:20 AM - 05:25 AM	41.0	51.2	35.5
05:25 AM - 05:30 AM	44.0	51.7	41.0
05:30 AM - 05:35 AM	46.7	55.6	41.2
05:35 AM - 05:40 AM	41.3	54.8	40.9
05:40 AM - 05:45 AM	43.0	54.0	40.7
05:45 AM - 05:50 AM	43.5	52.4	40.9
05:50 AM - 05:55 AM	44.8	53.8	40.9
05:55 AM - 06:00 AM	46.0	62.1	42.3
06:00 AM - 06:05 AM	48.1	73.0	43.2

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและเก็บข้อมูลเสียง : ใช้เครื่องวัดระดับเสียงแบบเคลื่อนที่วัดค่าเสียง ณ ตำแหน่งจุดวัดเสียงตามแผนที่แนบมาในข้อ 2551

Note : This Analysis Test report is released to the customer on July 05, 2024. Date Reported : Feb 09, 2024 due to revise sample information.

Approved by

Kanokorn Anuk

Kanokorn Anuk
Senior Manager

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Life Sciences

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Jul 05, 2024
Report No. : 2907288-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149353-21
Parameter : Noise
Location : 1km/100m/100m (GPS 48Q 279854, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Natthapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 07:05 AM	50.3	71.8	43.2
07:05 AM - 07:10 AM	49.8	67.6	45.5
07:10 AM - 07:15 AM	47.8	71.8	42.8
07:15 AM - 07:20 AM	48.0	68.2	43.8
07:20 AM - 07:25 AM	48.9	76.8	44.8
07:25 AM - 07:30 AM	49.0	65.1	43.6
07:30 AM - 07:35 AM	49.2	55.5	45.4
07:35 AM - 07:40 AM	49.4	66.5	45.3
07:40 AM - 07:45 AM	52.4	87.6	46.8
07:45 AM - 07:50 AM	51.7	70.7	47.2
07:50 AM - 07:55 AM	50.9	74.9	46.5
07:55 AM - 08:00 AM	49.0	72.5	45.6
08:00 PM - 08:05 PM	48.9	65.4	45.7
08:05 PM - 08:10 PM	48.0	60.7	43.0
08:10 PM - 08:15 PM	49.6	74.5	43.8
08:15 PM - 08:20 PM	44.2	53.3	37.8
08:20 PM - 08:25 PM	43.8	50.0	40.1
08:25 PM - 08:30 PM	46.0	54.1	42.0
08:30 PM - 08:35 PM	45.2	52.7	43.3
08:35 PM - 08:40 PM	46.2	52.2	46.2
08:40 PM - 08:45 PM	46.8	56.8	42.0
08:45 PM - 08:50 PM	45.8	54.4	40.8
08:50 PM - 08:55 PM	44.8	51.6	40.9
08:55 PM - 09:00 PM	44.6	50.8	40.7
09:00 PM - 09:05 PM	46.9	58.8	42.5
09:05 PM - 09:10 PM	45.5	50.9	41.5
09:10 PM - 09:15 PM	45.5	54.3	42.0
09:15 PM - 09:20 PM	44.7	50.2	42.0
09:20 PM - 09:25 PM	43.5	51.4	42.0
09:25 PM - 09:30 PM	44.3	51.2	42.0
09:30 PM - 09:35 PM	44.8	51.6	42.0
09:35 PM - 09:40 PM	44.6	50.8	42.0
09:40 PM - 09:45 PM	44.6	50.8	42.0
09:45 PM - 09:50 PM	44.6	50.8	42.0
09:50 PM - 09:55 PM	44.6	50.8	42.0
09:55 PM - 10:00 PM	44.6	50.8	42.0
10:00 PM - 10:05 PM	44.6	50.8	42.0
10:05 PM - 10:10 PM	44.6	50.8	42.0
10:10 PM - 10:15 PM	44.6	50.8	42.0
10:15 PM - 10:20 PM	44.6	50.8	42.0
10:20 PM - 10:25 PM	44.6	50.8	42.0
10:25 PM - 10:30 PM	44.6	50.8	42.0
10:30 PM - 10:35 PM	44.6	50.8	42.0
10:35 PM - 10:40 PM	44.6	50.8	42.0
10:40 PM - 10:45 PM	44.6	50.8	42.0
10:45 PM - 10:50 PM	44.6	50.8	42.0
10:50 PM - 10:55 PM	44.6	50.8	42.0
10:55 PM - 11:00 PM	44.6	50.8	42.0
11:00 PM - 11:05 PM	44.6	50.8	42.0
11:05 PM - 11:10 PM	44.6	50.8	42.0
11:10 PM - 11:15 PM	44.6	50.8	42.0
11:15 PM - 11:20 PM	44.6	50.8	42.0
11:20 PM - 11:25 PM	44.6	50.8	42.0
11:25 PM - 11:30 PM	44.6	50.8	42.0
11:30 PM - 11:35 PM	44.6	50.8	42.0
11:35 PM - 11:40 PM	44.6	50.8	42.0
11:40 PM - 11:45 PM	44.6	50.8	42.0
11:45 PM - 11:50 PM	44.6	50.8	42.0
11:50 PM - 11:55 PM	44.6	50.8	42.0
11:55 PM - 12:00 AM	44.6	50.8	42.0
12:00 AM - 12:05 AM	44.6	50.8	42.0

The above results are valid only for the analyzed period and are not intended to be used for any other purpose. The results are not to be used for any other purpose without the written consent of ALS Laboratory Group (Thailand) Co., Ltd. or its subsidiaries.

Approved by

Kanokorn Anuk

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Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149353
Date Received Jan 31, 2024
Date Reported Jul 05, 2024
Report No. : 2907288-1Rev.No.1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149353-21
Parameter : Noise
Location : 1km/100m/100m (GPS 48Q 279854, 1889320) (หน้าวัด) (Shut down)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Natthapon Kunnasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	41.4	41.4	37.1
12:10 AM - 12:15 AM	43.5	55.5	38.7
12:15 AM - 12:20 AM	43.0	52.1	38.1
12:20 AM - 12:25 AM	43.6	55.8	39.5
12:25 AM - 12:30 AM	43.3	55.1	37.7
12:30 AM - 12:35 AM	43.7	54.0	37.7
12:35 AM - 12:40 AM	44.5	54.8	38.7
12:40 AM - 12:45 AM	42.7	49.8	37.2
12:45 AM - 12:50 AM	42.8	51.4	37.9
12:50 AM - 12:55 AM	42.7	62.1	39.2
12:55 AM - 01:00 AM	42.7	52.8	36.6
01:00 AM - 01:05 AM	42.4	51.3	35.7
01:05 AM - 01:10 AM	41.9	55.1	35.8
01:10 AM - 01:15 AM	43.1	56.1	36.7
01:15 AM - 01:20 AM	42.9	49.9	36.6
01:20 AM - 01:25 AM	43.9	51.5	33.6
01:25 AM - 01:30 AM	42.6	50.8	36.0
01:30 AM - 01:35 AM	41.7	51.1	36.4
01:35 AM - 01:40 AM	46.4	74.3	37.0
01:40 AM - 01:45 AM	42.6	54.2	36.4
01:45 AM - 01:50 AM	43.3	53.5	36.1
01:50 AM - 01:55 AM	42.6	51.2	38.5
01:55 AM - 02:00 AM	44.4	51.6	39.1
02:00 AM - 02:05 AM	43.1	49.8	40.1
02:05 AM - 02:10 AM	43.0	49.3	38.9
02:10 AM - 02:15 AM	43.6	53.7	37.4
02:15 AM - 02:20 AM	44.4	53.5	38.8
02:20 AM - 02:25 AM	42.3	52.8	37.2
02:25 AM - 02:30 AM	42.0	51.4	35.6
02:30 AM - 02:35 AM	43.6	50.9	37.0
02:35 AM - 02:40 AM	42.1	50.8	36.9
02:40 AM - 02:45 AM	42.1	52.7	35.9
02:45 AM - 02:50 AM	42.2	49.2	38.9
02:50 AM - 02:55 AM	43.4	50.8	38.2
02:55 AM - 03:00 AM	42.1	48.6	36.2
03:00 AM - 03:05 AM	44.4	52.5	39.4</



Analysis / Test Report

TESTING
No.0009Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370Lot ID: 23149381
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907286-1P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 3 of 3Sample No. : 23149381-1
Parameter : Noise
Location : ตำบลบ้านดง/ตำบลบ้านดง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 00472122

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	46.6	54.6	43.3
03:40 AM - 03:45 AM	48.9	54.9	45.6
03:45 AM - 03:50 AM	49.3	57.3	44.8
03:50 AM - 03:55 AM	49.7	53.0	40.3
03:55 AM - 04:00 AM	49.3	49.3	37.7
04:00 AM - 04:05 AM	48.8	48.8	37.9
04:05 AM - 04:10 AM	43.7	51.7	39.7
04:10 AM - 04:15 AM	43.7	51.7	41.5
04:15 AM - 04:20 AM	43.7	51.7	42.5
04:20 AM - 04:25 AM	47.5	54.7	46.5
04:25 AM - 04:30 AM	48.8	54.5	45.5
04:30 AM - 04:35 AM	44.8	54.2	39.7
04:35 AM - 04:40 AM	43.9	48.6	40.5
04:40 AM - 04:45 AM	43.7	50.5	39.8
04:45 AM - 04:50 AM	43.3	48.9	38.5
04:50 AM - 04:55 AM	44.6	54.6	38.3
04:55 AM - 05:00 AM	44.4	54.1	39.5
05:00 AM - 05:05 AM	45.3	54.8	41.0
05:05 AM - 05:10 AM	52.6	60.6	50.2
05:10 AM - 05:15 AM	55.0	60.2	52.1
05:15 AM - 05:20 AM	52.6	58.3	50.0
05:20 AM - 05:25 AM	49.5	53.9	45.2
05:25 AM - 05:30 AM	45.0	55.6	41.0
05:30 AM - 05:35 AM	45.5	51.0	42.4
05:35 AM - 05:40 AM	45.8	52.9	42.2
05:40 AM - 05:45 AM	47.1	53.6	44.2
05:45 AM - 05:50 AM	49.8	51.9	48.8
05:50 AM - 05:55 AM	51.8	58.5	48.3
05:55 AM - 06:00 AM	50.1	57.2	47.5
06:00 AM - 07:00 AM	54.6	64.2	51.9

Reference Method :
1. In-house method : STH 66-001 based on ISO 1996-1 : 2016
2. มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร (ฉบับปรับปรุง) 24 ชั่วโมง ตามมติของคณะกรรมการสิ่งแวดล้อมแห่งชาติ พ.ศ. 2553
Note : This Analysis test report is reissued to supersede report No. 2907286-1, Date Reported : Feb 09, 2024 to revise sample information.

Approved by
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Analysis / Test Report

TESTING
No.0009Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370Lot ID: 23149381
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907286-1P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 1 of 3Sample No. : 23149381-1
Parameter : Noise
Location : ตำบลบ้านดง/ตำบลบ้านดง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	58.6	73.5	54.6
02:05 PM - 02:10 PM	58.9	71.4	54.9
02:10 PM - 02:15 PM	58.8	70.4	54.6
02:15 PM - 02:20 PM	58.7	72.2	54.8
02:20 PM - 02:25 PM	57.9	71.3	53.6
02:25 PM - 02:30 PM	57.2	72.8	52.8
02:30 PM - 02:35 PM	58.4	70.9	51.8
02:35 PM - 02:40 PM	57.7	77.8	54.1
02:40 PM - 02:45 PM	57.2	66.2	53.4
02:45 PM - 02:50 PM	57.7	66.2	51.0
02:50 PM - 02:55 PM	56.4	69.5	54.8
02:55 PM - 03:00 PM	56.8	71.0	53.3
03:00 PM - 03:05 PM	56.3	73.2	51.0
03:05 PM - 03:10 PM	57.3	67.4	53.3
03:10 PM - 03:15 PM	56.6	64.8	51.4
03:15 PM - 03:20 PM	57.8	65.4	51.8
03:20 PM - 03:25 PM	57.8	65.9	51.4
03:25 PM - 03:30 PM	57.8	64.6	55.1
03:30 PM - 03:35 PM	56.8	68.3	53.3
03:35 PM - 03:40 PM	56.3	67.4	54.7
03:40 PM - 03:45 PM	56.3	65.8	51.9
03:45 PM - 03:50 PM	56.2	67.7	51.8
03:50 PM - 03:55 PM	57.1	68.5	53.2
03:55 PM - 04:00 PM	56.2	71.7	54.2
04:00 PM - 04:05 PM	56.0	63.3	51.8
04:05 PM - 04:10 PM	56.0	61.4	51.7
04:10 PM - 04:15 PM	56.4	75.5	51.0
04:15 PM - 04:20 PM	56.9	69.3	52.9
04:20 PM - 04:25 PM	56.4	67.5	51.5
04:25 PM - 04:30 PM	55.8	64.0	51.6
04:30 PM - 04:35 PM	55.4	68.8	52.0
04:35 PM - 04:40 AM	57.2	67.7	52.9
04:40 AM - 04:45 AM	56.5	68.3	51.8
04:45 AM - 04:50 AM	57.3	70.1	51.9
04:50 AM - 04:55 AM	56.3	66.7	51.6
04:55 AM - 05:00 AM	56.5	62.8	51.6
05:00 AM - 05:05 AM	56.5	64.9	50.3
05:05 AM - 05:10 AM	55.4	67.6	49.4
05:10 AM - 05:15 AM	55.1	68.4	50.7

Approved by
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Analysis / Test Report

TESTING
No.0009Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370Lot ID: 23149381
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907286-1P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 3 of 3Sample No. : 23149381-1
Parameter : Noise
Location : ตำบลบ้านดง/ตำบลบ้านดง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	54.7	61.0	50.4
12:45 AM - 12:50 AM	54.7	60.7	50.4
12:50 AM - 12:55 AM	56.4	61.0	50.3
12:55 AM - 01:00 AM	54.5	60.3	50.3
01:00 AM - 01:05 AM	55.7	61.6	50.6
01:05 AM - 01:10 AM	54.4	61.6	48.4
01:10 AM - 01:15 AM	54.3	60.9	45.3
01:15 AM - 01:20 AM	57.0	61.4	45.7
01:20 AM - 01:25 AM	55.6	64.4	44.7
01:25 AM - 01:30 AM	56.1	65.5	46.9
01:30 AM - 01:35 AM	54.5	65.1	46.3
01:35 AM - 01:40 AM	55.3	67.3	46.4
01:40 AM - 01:45 AM	58.3	72.3	45.5
01:45 AM - 01:50 AM	56.6	68.0	46.7
01:50 AM - 01:55 AM	54.6	74.5	46.9
01:55 AM - 02:00 AM	55.6	76.1	45.2
02:00 AM - 02:05 AM	53.3	62.6	46.7
02:05 AM - 02:10 AM	53.0	68.1	41.6
02:10 AM - 02:15 AM	54.1	67.1	42.8
02:15 AM - 02:20 AM	53.5	67.4	44.7
02:20 AM - 02:25 AM	54.8	69.2	47.9
02:25 AM - 02:30 AM	55.5	69.5	45.1
02:30 AM - 02:35 AM	54.3	65.1	41.8
02:35 AM - 02:40 AM	53.0	64.6	41.8
02:40 AM - 02:45 AM	52.7	64.6	40.4
02:45 AM - 02:50 AM	53.0	62.5	42.9
02:50 AM - 02:55 AM	54.8	62.9	41.0
02:55 AM - 03:00 AM	54.8	67.7	42.8
03:00 AM - 03:05 AM	54.8	68.5	45.5
03:05 AM - 03:10 AM	54.3	62.5	42.8
03:10 AM - 03:15 AM	54.3	62.5	42.9
03:15 AM - 03:20 AM	51.0	64.5	40.9
03:20 AM - 03:25 AM	53.5	64.2	44.8
03:25 AM - 03:30 AM	55.2	65.6	47.1
03:30 AM - 03:35 AM	54.3	65.9	45.2
03:35 AM - 03:40 AM	55.4	71.5	45.0
03:40 AM - 03:45 AM	53.9	64.9	45.4
03:45 AM - 03:50 AM	54.2	65.0	45.8
03:50 AM - 03:55 AM	51.8	63.0	42.5
03:55 AM - 04:00 AM	56.0	69.2	45.7

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Analysis / Test Report

TESTING
No.0009Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370Lot ID: 23149381
Date Received : Jan 31, 2024
Date Reported : Feb 09, 2024
Report No. : 2907286-1P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 3 of 3Sample No. : 23149381-1
Parameter : Noise
Location : ตำบลบ้านดง/ตำบลบ้านดง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 22 - 23, 2024
Measurement by : Hathaporn Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	55.6	65.2	48.4
04:05 AM - 04:10 AM	54.4	65.7	47.1
04:10 AM - 04:15 AM	56.8	60.2	45.1
04:15 AM - 04:20 AM	53.3	61.6	45.1
04:20 AM - 04:25 AM	52.8	62.4	45.2
04:25 AM - 04:30 AM	54.2	61.8	47.4
04:30 AM - 04:35 AM	54.3	54.6	43.6
04:35 AM - 04:40 AM	53.8	61.5	45.4
04:40 AM - 04:45 AM	54.7	68.3	46.0
04:45 AM - 04:50 AM	53.6	62.4	42.3
04:50 AM - 04:55 AM	51.9	62.2	46.1
04:55 AM - 05:00 AM	53.3	65.4	44.3
05:00 AM - 05:05 AM	53.3	63.2	42.4
05:05 AM - 05:10 AM	55.3	70.9	45.7
05:10 AM - 05:15 AM	54.8	65.2	47.0
05:15 AM - 05:20 AM	53.9	62.7	47.2
05:20 AM - 05:25 AM	54.8	63.5	47.0
05:25 AM - 05:30 AM	54.7	65.8	45.4
05:30 AM - 05:35 AM	55.0	68.0	48.8
05:35 AM - 05:40 AM	54.8	65.6	46.9
05:40 AM - 05:45 AM	54.8	61.8	46.9
05:45 AM - 05:50 AM	55.0	66.9	47.1
05:50 AM - 05:55 AM	56.1	69.9	48.5
05:55 AM - 06:00 AM	56.7	66.6	50.6
06:00 AM - 07:00 AM	57.4	70.3	52.3
07:00 AM - 08:00 AM	58.9	77.5	54.5
08:00 AM - 09:00 AM	58.8	71.5	54.4
09:00 AM - 10:00 AM	58.9	70.8	54.7
10:00 AM - 11:00 AM	58.1	74.1	53.4
11:00 AM - 12:00 PM	57.6	72.9	53.0
12:00 PM - 01:00 PM	57.9	75.4	53.0
01:00 PM - 02:00 PM	58.2	79.7	53.9

Reference Method :
1. In-house method : STH 66-001 based on ISO 1996-1 : 2016
2. มาตรฐานการวัดและประเมินค่าเสียงตามอาคาร (ฉบับปรับปรุง) 24 ชั่วโมง ตามมติของคณะกรรมการสิ่งแวดล้อมแห่งชาติ พ.ศ. 2553

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2307297-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149381-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/หอพักลูกจ้าง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 01:30 PM	58.5	76.1	53.5
01:30 PM - 04:00 PM	59.1	74.2	54.3
04:00 PM - 05:00 PM	55.4	66.5	54.5
05:00 PM - 06:00 PM	58.3	71.8	54.1
06:00 PM - 07:00 PM	59.2	74.6	53.4
07:00 PM - 08:00 PM	57.9	77.9	54.1
08:00 PM - 09:00 PM	58.3	71.4	54.7
09:00 PM - 10:00 PM	57.5	71.9	53.2
10:00 PM - 10:05 PM	58.7	72.8	52.7
10:05 PM - 10:10 PM	58.3	72.9	54.4
10:10 PM - 10:15 PM	57.7	74.6	54.8
10:15 PM - 10:20 PM	57.4	66.1	50.8
10:20 PM - 10:25 PM	63.2	80.3	51.9
10:25 PM - 10:30 PM	56.8	68.3	50.3
10:30 PM - 10:35 PM	57.4	69.5	50.5
10:35 PM - 10:40 PM	56.5	64.4	51.4
10:40 PM - 10:45 PM	57.3	73.3	49.6
10:45 PM - 10:50 PM	58.4	70.3	51.3
10:50 PM - 10:55 PM	56.8	67.7	49.2
10:55 PM - 11:00 PM	56.1	66.1	47.9
11:00 PM - 11:05 PM	55.5	65.4	47.8
11:05 PM - 11:10 PM	56.5	69.2	48.7
11:10 PM - 11:15 PM	60.5	79.2	48.3
11:15 PM - 11:20 PM	55.3	69.1	47.2
11:20 PM - 11:25 PM	56.4	64.7	47.8
11:25 PM - 11:30 PM	57.3	68.8	46.7
11:30 PM - 11:35 PM	54.8	62.8	47.7
11:35 PM - 11:40 PM	53.1	52.3	47.3
11:40 PM - 11:45 PM	54.3	55.4	47.1
11:45 PM - 11:50 PM	55.5	67.6	48.6
11:50 PM - 11:55 PM	51.8	62.5	45.4
11:55 PM - 12:00 AM	56.9	70.7	46.3
12:00 AM - 12:05 AM	53.4	62.5	46.1
12:05 AM - 12:10 AM	57.9	69.9	47.5
12:10 AM - 12:15 AM	57.2	74.7	46.8
12:15 AM - 12:20 AM	54.2	63.1	45.8
12:20 AM - 12:25 AM	53.5	65.8	45.3
12:25 AM - 12:30 AM	53.3	64.1	45.7
12:30 AM - 12:35 AM	56.8	74.0	47.0
12:35 AM - 12:40 AM	54.3	68.3	46.7

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2307297-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149381-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/หอพักลูกจ้าง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	52.1	62.4	49.3
12:45 AM - 12:50 AM	51.7	65.1	49.7
12:50 AM - 12:55 AM	51.1	59.7	44.5
12:55 AM - 01:00 AM	55.7	76.6	46.4
01:00 AM - 01:05 AM	51.5	61.1	45.5
01:05 AM - 01:10 AM	52.3	63.0	44.7
01:10 AM - 01:15 AM	54.8	70.5	43.9
01:15 AM - 01:20 AM	55.3	68.6	46.7
01:20 AM - 01:25 AM	53.2	61.9	44.7
01:25 AM - 01:30 AM	53.1	66.2	44.7
01:30 AM - 01:35 AM	53.1	62.0	46.0
01:35 AM - 01:40 AM	53.2	64.0	46.4
01:40 AM - 01:45 AM	54.4	69.4	44.0
01:45 AM - 01:50 AM	51.9	63.5	41.7
01:50 AM - 01:55 AM	52.4	62.7	41.0
01:55 AM - 02:00 AM	52.9	61.0	40.0
02:00 AM - 02:05 AM	55.6	66.7	48.0
02:05 AM - 02:10 AM	54.4	67.9	46.9
02:10 AM - 02:15 AM	55.6	71.1	47.7
02:15 AM - 02:20 AM	54.5	66.6	42.0
02:20 AM - 02:25 AM	56.9	77.7	47.6
02:25 AM - 02:30 AM	51.9	61.9	42.6
02:30 AM - 02:35 AM	54.2	65.6	46.1
02:35 AM - 02:40 AM	54.3	66.0	46.5
02:40 AM - 02:45 AM	54.5	61.8	42.7
02:45 AM - 02:50 AM	55.1	67.0	46.7
02:50 AM - 02:55 AM	55.3	76.3	45.6
02:55 AM - 03:00 AM	54.8	65.8	46.3
03:00 AM - 03:05 AM	53.7	72.9	45.1
03:05 AM - 03:10 AM	58.6	76.1	46.7
03:10 AM - 03:15 AM	52.3	62.1	46.2
03:15 AM - 03:20 AM	51.6	65.1	44.9
03:20 AM - 03:25 AM	55.7	72.1	44.0
03:25 AM - 03:30 AM	54.6	65.9	46.9
03:30 AM - 03:35 AM	54.9	65.9	46.1
03:35 AM - 03:40 AM	53.5	66.2	45.6
03:40 AM - 03:45 AM	54.5	65.0	46.5
03:45 AM - 03:50 AM	55.3	68.0	47.4
03:50 AM - 03:55 AM	54.4	70.4	47.2
03:55 AM - 04:00 AM	54.5	64.7	47.0

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Analysis / Test Report



TESTING
No.0008

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2307297-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149381-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/หอพักลูกจ้าง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 23 - 24, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	54.2	64.4	48.5
04:05 AM - 04:10 AM	54.3	64.1	48.3
04:10 AM - 04:15 AM	54.8	62.3	45.8
04:15 AM - 04:20 AM	53.2	62.7	45.9
04:20 AM - 04:25 AM	53.4	61.3	47.1
04:25 AM - 04:30 AM	53.1	66.3	46.5
04:30 AM - 04:35 AM	54.7	65.0	46.7
04:35 AM - 04:40 AM	54.6	62.4	45.8
04:40 AM - 04:45 AM	54.9	65.1	47.7
04:45 AM - 04:50 AM	57.8	69.5	49.2
04:50 AM - 04:55 AM	54.7	64.0	46.5
04:55 AM - 05:00 AM	54.2	64.3	48.2
05:00 AM - 05:05 AM	55.7	65.1	48.2
05:05 AM - 05:10 AM	54.8	63.6	48.7
05:10 AM - 05:15 AM	55.7	66.2	49.3
05:15 AM - 05:20 AM	55.2	68.7	47.3
05:20 AM - 05:25 AM	55.0	63.5	47.9
05:25 AM - 05:30 AM	55.7	70.2	49.2
05:30 AM - 05:35 AM	57.1	68.3	49.0
05:35 AM - 05:40 AM	56.4	64.9	49.0
05:40 AM - 05:45 AM	55.9	63.0	49.5
05:45 AM - 05:50 AM	57.2	66.7	52.0
05:50 AM - 05:55 AM	56.3	69.4	51.4
05:55 AM - 06:00 AM	56.4	69.7	48.6
06:00 AM - 07:00 AM	57.8	78.3	53.0
07:00 AM - 08:00 AM	58.1	75.9	54.5
08:00 AM - 09:00 AM	58.7	75.7	54.2
09:00 AM - 10:00 AM	59.4	73.9	54.7
10:00 AM - 11:00 AM	59.2	74.9	54.3
11:00 AM - 12:00 PM	58.4	55.9	53.9
12:00 PM - 01:00 PM	58.2	69.8	53.4
01:00 PM - 02:00 PM	58.0	74.6	53.5

Reference Method:

1. In-house method: STH 016-001 based on ISO 1996-1:2016
2. วิธีการวัดและประเมินค่าเสียงที่ใช้ในการศึกษาผลกระทบสิ่งแวดล้อมทางเสียงตามมาตรฐานของประเทศไทย (ฉบับแก้ไขและขึ้นทบทม์ครั้งใหม่) พ.ศ. 2553

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2307297-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 23149381-3
Parameter : Noise
Location : หอพักผู้ปฏิบัติงาน/หอพักลูกจ้าง (GPS 40Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date : Jan 24 - 25, 2024
Measurement by : Nathapon Kunasut
Sound Level Meter : 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	58.3	68.6	54.0
02:05 PM - 04:00 PM	58.9	77.8	54.0
04:00 PM - 05:00 PM	58.9	75.2	54.2
05:00 PM - 06:00 PM	58.8	81.4	53.7
06:00 PM - 07:00 PM	57.5	72.5	50.1
07:00 PM - 08:00 PM	57.6	79.7	52.8
08:00 PM - 09:00 PM	53.7	75.4	54.3
09:00 PM - 10:00 PM	51.4	71.9	51.9
10:00 PM - 10:05 PM	58.0	69.3	53.6
10:05 PM - 10:10 PM	57.4	68.4	52.9
10:10 PM - 10:15 PM	58.4	65.8	50.9
10:15 PM - 10:20 PM	57.1	69.7	52.0
10:20 PM - 10:25 PM	56.9	62.2	52.5
10:25 PM - 10:30 PM	57.2	64.0	53.6
10:30 PM - 10:35 PM	57.0	61.0	51.0
10:35 PM - 10:40 PM	56.8	72.9	52.6
10:40 PM - 10:45 PM	58.2	69.9	53.4
10:45 PM - 10:50 PM	56.8	67.4	51.9
10:50 PM - 10:55 PM	56.4	65.5	52.4
10:55 PM - 11:00 PM	57.2	69.4	51.3
11:00 PM - 11:05 PM	56.5	72.2	50.6
11:05 PM - 11:10 PM	55.6	64.0	49.7
11:10 PM - 11:15 PM	57.1	66.9	52.2
11:15 PM - 11:20 PM	54.8	63.9	47.8
11:20 PM - 11:25 PM	54.4	65.9	49.7
11:25 PM - 11:30 PM	54.3	64.9	47.4
11:30 PM - 11:35 PM	54.3	71.1	44.9
11:35 PM - 11:40 PM	52.7	63.8	45.0
11:40 PM - 11:45 PM	52.6	60.9	45.2
11:45 PM - 11:50 PM	53.0	68.8	49.3
11:50 PM - 11:55 PM	53.9	65.7	45.9
11:55 PM - 12:00 AM	52.9	64.1	42.5
12:00 AM - 12:05 AM	54.3	64.0	44.0
12:05 AM - 12:10 AM	55.6	71.3	43.2
12:10 AM - 12:15 AM	54.3	61.1	41.9
12:15 AM - 12:20 AM	54.2	66.3	45.7
12:20 AM - 12:25 AM	53.9	62.5	44.7
12:25 AM - 12:30 AM	53.6	72.1	44.0
12:30 AM - 12:35 AM	53.8	64.4	41.8
12:35 AM - 12:40 AM	54.5	63.0	45.1

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Analysis / Test Report



TESTING
No. 0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907298-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 23149381-3
Parameter Noise
Location ในพื้นที่ชุมชนบ้านนาสุท (GPS 46Q 279468, 1889972) (หน้าวัด) (Shut down)
Measurement Date Jan 24 - 25, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	53.3	59.9	46.0
12:45 AM - 12:50 AM	53.3	62.3	42.0
12:50 AM - 12:55 AM	53.3	62.3	42.0
12:55 AM - 01:00 AM	54.7	65.9	46.1
01:00 AM - 01:05 AM	52.2	64.2	44.1
01:05 AM - 01:10 AM	52.6	64.4	43.6
01:10 AM - 01:15 AM	53.4	65.9	43.9
01:15 AM - 01:20 AM	53.3	64.8	43.1
01:20 AM - 01:25 AM	53.7	65.9	43.8
01:25 AM - 01:30 AM	47.9	59.2	41.2
01:30 AM - 01:35 AM	50.8	63.8	43.1
01:35 AM - 01:40 AM	55.9	70.3	42.8
01:40 AM - 01:45 AM	50.8	63.1	42.0
01:45 AM - 01:50 AM	52.5	63.4	42.2
01:50 AM - 01:55 AM	54.3	65.7	42.9
01:55 AM - 02:00 AM	52.6	62.6	42.6
02:00 AM - 02:05 AM	53.3	63.5	43.6
02:05 AM - 02:10 AM	52.8	62.6	43.8
02:10 AM - 02:15 AM	52.1	62.7	43.5
02:15 AM - 02:20 AM	52.6	62.3	42.3
02:20 AM - 02:25 AM	53.9	68.6	42.2
02:25 AM - 02:30 AM	52.9	62.4	43.6
02:30 AM - 02:35 AM	54.9	62.2	43.9
02:35 AM - 02:40 AM	54.4	70.0	43.4
02:40 AM - 02:45 AM	52.8	62.9	44.3
02:45 AM - 02:50 AM	53.9	68.6	46.4
02:50 AM - 02:55 AM	53.5	63.6	42.7
02:55 AM - 03:00 AM	54.3	63.2	44.6
03:00 AM - 03:05 AM	55.5	62.7	43.4
03:05 AM - 03:10 AM	54.6	72.1	46.8
03:10 AM - 03:15 AM	55.4	65.0	44.7
03:15 AM - 03:20 AM	55.7	72.3	43.4
03:20 AM - 03:25 AM	53.4	62.2	43.3
03:25 AM - 03:30 AM	54.2	61.4	42.8
03:30 AM - 03:35 AM	52.5	62.8	44.3
03:35 AM - 03:40 AM	53.2	63.6	43.2
03:40 AM - 03:45 AM	53.9	63.5	42.2
03:45 AM - 03:50 AM	51.9	61.8	44.0
03:50 AM - 03:55 AM	51.3	61.3	41.0
03:55 AM - 04:00 AM	54.6	62.7	43.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. They are not valid for other samples or locations. The results are not valid if the measurement is not performed in accordance with the standard method (ISO 9616:2016) and the equipment used is not calibrated and accepted in Thailand.

Approved by

Kanokkom Anek
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907298-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 23149381-3
Parameter Noise
Location ในพื้นที่ชุมชนบ้านนาสุท (GPS 46Q 279468, 1889972) (หน้าวัด) (Shut down)
Measurement Date Jan 24 - 25, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	53.7	63.4	44.5
04:05 AM - 04:10 AM	53.6	66.1	43.7
04:10 AM - 04:15 AM	52.5	62.2	44.2
04:15 AM - 04:20 AM	52.6	63.6	43.7
04:20 AM - 04:25 AM	58.9	74.5	50.7
04:25 AM - 04:30 AM	54.3	65.9	46.5
04:30 AM - 04:35 AM	55.8	69.8	45.9
04:35 AM - 04:40 AM	53.4	62.8	43.7
04:40 AM - 04:45 AM	53.7	64.5	46.7
04:45 AM - 04:50 AM	53.7	64.6	44.4
04:50 AM - 04:55 AM	53.3	64.2	46.2
04:55 AM - 05:00 AM	52.9	59.8	44.5
05:00 AM - 05:05 AM	54.5	61.7	46.3
05:05 AM - 05:10 AM	54.4	62.8	48.0
05:10 AM - 05:15 AM	54.2	63.3	50.3
05:15 AM - 05:20 AM	54.7	64.1	48.6
05:20 AM - 05:25 AM	55.2	65.7	49.3
05:25 AM - 05:30 AM	57.5	66.6	49.3
05:30 AM - 05:35 AM	55.2	64.2	47.9
05:35 AM - 05:40 AM	54.9	63.1	49.5
05:40 AM - 05:45 AM	55.4	64.0	49.7
05:45 AM - 05:50 AM	56.7	65.3	51.0
05:50 AM - 05:55 AM	55.3	62.8	51.0
05:55 AM - 06:00 AM	55.3	63.4	50.3
06:00 AM - 06:05 AM	59.3	65.1	52.7
06:05 AM - 06:10 AM	59.3	72.3	54.1
06:10 AM - 06:15 AM	58.9	72.9	54.4
06:15 AM - 06:20 AM	58.4	76.7	54.9
06:20 AM - 06:25 AM	59.6	75.2	55.9
06:25 AM - 06:30 AM	58.9	74.1	54.4
06:30 AM - 06:35 AM	58.8	74.6	54.0
06:35 AM - 06:40 AM	58.5	73.3	54.6

Reference Method :

- In-house method: STM 06-001 based on ISO 1996-1:2016
- อุปกรณ์ที่ใช้ในการวัดเสียง : เครื่องวัดเสียงแบบพกพา รุ่น SL-1000 ของบริษัท อีเอสแอล จำกัด

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. They are not valid for other samples or locations. The results are not valid if the measurement is not performed in accordance with the standard method (ISO 9616:2016) and the equipment used is not calibrated and accepted in Thailand.

Approved by

Kanokkom Anek
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907299-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 23149381-4
Parameter Noise
Location ในพื้นที่ชุมชนบ้านนาสุท (GPS 46Q 279468, 1889972) (หน้าวัด) (Shut down)
Measurement Date Jan 25 - 26, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:05 PM	58.6	73.2	54.7
02:05 PM - 02:10 PM	59.3	75.1	55.3
02:10 PM - 02:15 PM	58.7	74.4	54.4
02:15 PM - 02:20 PM	58.7	77.3	53.8
02:20 PM - 02:25 PM	57.3	72.3	52.7
02:25 PM - 02:30 PM	58.0	77.6	53.8
02:30 PM - 02:35 PM	57.5	71.5	52.8
02:35 PM - 02:40 PM	55.6	72.0	49.3
02:40 PM - 02:45 PM	57.2	68.1	48.9
02:45 PM - 02:50 PM	55.1	61.3	49.2
02:50 PM - 02:55 PM	54.2	66.5	45.0
02:55 PM - 03:00 PM	55.2	64.2	49.2
03:00 PM - 03:05 PM	54.5	68.8	51.4
03:05 PM - 03:10 PM	53.1	64.1	53.1
03:10 PM - 03:15 PM	54.0	72.8	52.6
03:15 PM - 03:20 PM	53.3	64.4	47.8
03:20 PM - 03:25 PM	56.1	70.4	50.3
03:25 PM - 03:30 PM	55.3	65.1	50.0
03:30 PM - 03:35 PM	54.6	69.2	49.2
03:35 PM - 03:40 PM	52.6	62.1	45.8
03:40 PM - 03:45 PM	53.9	65.1	45.1
03:45 PM - 03:50 PM	55.4	66.2	45.6
03:50 PM - 03:55 PM	56.1	70.1	46.2
03:55 PM - 04:00 PM	61.2	82.0	60.2
04:00 PM - 04:05 PM	55.5	67.1	47.1
04:05 PM - 04:10 PM	53.7	64.8	46.5
04:10 PM - 04:15 PM	57.2	75.4	47.8
04:15 PM - 04:20 PM	56.1	70.1	47.7
04:20 PM - 04:25 PM	56.1	75.0	46.1
04:25 PM - 04:30 PM	56.1	64.9	44.0
04:30 PM - 04:35 PM	53.0	66.8	44.2
04:35 PM - 04:40 AM	55.2	70.2	45.7
04:40 AM - 04:45 AM	54.3	64.8	44.8
04:45 AM - 04:50 AM	54.3	64.9	44.8
04:50 AM - 04:55 AM	54.3	64.9	44.8
04:55 AM - 05:00 AM	54.3	64.9	44.8
05:00 AM - 05:05 AM	54.3	64.9	44.8
05:05 AM - 05:10 AM	54.3	64.9	44.8
05:10 AM - 05:15 AM	54.3	64.9	44.8
05:15 AM - 05:20 AM	54.3	64.9	44.8
05:20 AM - 05:25 AM	54.3	64.9	44.8
05:25 AM - 05:30 AM	54.3	64.9	44.8
05:30 AM - 05:35 AM	54.3	64.9	44.8
05:35 AM - 05:40 AM	54.3	64.9	44.8
05:40 AM - 05:45 AM	54.3	64.9	44.8
05:45 AM - 05:50 AM	54.3	64.9	44.8
05:50 AM - 05:55 AM	54.3	64.9	44.8
05:55 AM - 06:00 AM	54.3	64.9	44.8

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Approved by

Kanokkom Anek
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907299-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 23149381-4
Parameter Noise
Location ในพื้นที่ชุมชนบ้านนาสุท (GPS 46Q 279468, 1889972) (หน้าวัด) (Shut down)
Measurement Date Jan 25 - 26, 2024
Measurement by Natthapon Kunasut
Sound Level Meter 222528

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	51.5	66.6	44.6
12:45 AM - 12:50 AM	51.6	69.3	43.5
12:50 AM - 12:55 AM	53.7	63.5	43.8
12:55 AM - 01:00 AM	52.8	65.0	44.4
01:00 AM - 01:05 AM	53.2	61.9	44.1
01:05 AM - 01:10 AM	53.0	62.8	44.4
01:10 AM - 01:15 AM	53.9	66.0	43.8
01:15 AM - 01:20 AM	54.8	68.5	46.4
01:20 AM - 01:25 AM	54.8	70.1	46.4
01:25 AM - 01:30 AM	53.3	64.0	46.8
01:30 AM - 01:35 AM	59.7	73.7	43.6
01:35 AM - 01:40 AM	55.8	68.7	45.4
01:40 AM - 01:45 AM	53.1	63.1	43.1
01:45 AM - 01:50 AM	53.2	63.2	43.5
01:50 AM - 01:55 AM	53.0	67.3	43.4
01:55 AM - 02:00 AM	54.9	67.4	46.4
02:00 AM - 02:05 AM	54.4	63.7	45.1
02:05 AM - 02:10 AM	55.4	68.8	47.4
02:10 AM - 02:15 AM	55.0	68.0	45.4
02:15 AM - 02:20 AM	53.0	63.0	45.3
02:20 AM - 02:25 AM	53.3	61.2	45.3
02:25 AM - 02:30 AM	52.4	64.8	44.2
02:30 AM - 02:35 AM	54.0	70.8	45.7
02:35 AM - 02:40 AM	52.5	64.6	44.3
02:40 AM - 02:45 AM	52.8	61.6	46.4
02:45 AM - 02:50 AM	52.8	63.1	45.3
02:50 AM - 02:55 AM	54.6	70.1	43.1
02:55 AM - 03:00 AM	50.8	64.9	43.6
03:00 AM - 03:05 AM	54.2	61.8	44.8
03:05 AM - 03:10 AM	53.0	61.2	43.2
03:10 AM - 03:15 AM	54.6	64.2	45.4
03:15 AM - 03:20 AM	54.5	63.7	47.6
03:20 AM - 03:25 AM	52.9	66.1	45.3
03:25 AM - 03:30 AM	54.7	68.8	44.1
03:30 AM - 03:35 AM	54.7	67.0	45.3
03:35 AM - 03:40 AM	53.3	68.0	43.1
03:40 AM - 03:45 AM	54.1	68.0	43.1
03:45 AM - 03:50 AM	53.8	63.3	43.0
03:50 AM - 03:55 AM	54.9	67.1	46.2
03:55 AM - 04:00 AM	54.0	65.7	45.9

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Approved by

Kanokkom Anek
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Let ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907300-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149381-4
Parameter : Noise
Location : ตำบลคูหาสวรรค์/อำเภอเมือง (GPS 48Q 279468, 1888972) (วัดด้าน) (Shut down)
Measurement Date : Jan 25 - 26, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:15 AM	55.3	55.8	46.7
04:15 AM - 04:30 AM	54.2	57.4	46.8
04:30 AM - 04:45 AM	54.6	63.4	47.3
04:45 AM - 04:55 AM	54.2	67.4	45.9
04:55 AM - 05:10 AM	52.7	63.9	46.1
05:10 AM - 05:25 AM	53.6	63.4	46.7
05:25 AM - 05:40 AM	55.1	65.8	48.6
05:40 AM - 05:55 AM	57.3	69.0	49.7
05:55 AM - 06:10 AM	56.7	72.1	46.9
06:10 AM - 06:25 AM	55.5	71.9	47.0
06:25 AM - 06:40 AM	55.8	68.6	47.6
06:40 AM - 06:55 AM	54.8	66.5	45.0
06:55 AM - 07:10 AM	55.1	65.5	47.4
07:10 AM - 07:25 AM	53.7	63.0	46.2
07:25 AM - 07:40 AM	56.1	64.8	45.7
07:40 AM - 07:55 AM	53.8	64.4	47.8
07:55 AM - 08:10 AM	56.7	64.6	49.8
08:10 AM - 08:25 AM	55.7	65.8	49.7
08:25 AM - 08:40 AM	56.2	62.9	51.8
08:40 AM - 08:55 AM	56.1	63.6	49.9
08:55 AM - 09:10 AM	57.3	65.3	52.1
09:10 AM - 09:25 AM	56.6	64.6	51.0
09:25 AM - 09:40 AM	55.7	62.6	50.6
09:40 AM - 09:55 AM	55.9	70.5	47.7
09:55 AM - 10:10 AM	58.3	70.8	51.3
10:10 AM - 10:25 AM	59.4	78.3	55.0
10:25 AM - 10:40 AM	59.7	77.6	53.3
10:40 AM - 10:55 AM	58.9	74.7	53.8
10:55 AM - 11:10 AM	58.6	75.8	54.1
11:10 AM - 11:25 AM	58.7	73.8	54.4
11:25 AM - 11:40 AM	59.6	71.8	54.2
11:40 AM - 11:55 AM	58.2	71.1	54.8

Reference Method :
1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. ฐานข้อมูลมาตรฐานเสียง : ใช้ค่ามาตรฐานเสียงตามเกณฑ์ของประเทศไทย 24 ชั่วโมง และค่ามาตรฐานเสียงตามเกณฑ์ของประเทศไทย ม. 2553

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Kasem Anet
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Let ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907300-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 23149381-5
Parameter : Noise
Location : ตำบลคูหาสวรรค์/อำเภอเมือง (GPS 48Q 279468, 1888972) (วัดด้าน) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 02:15 PM	58.4	74.1	54.2
02:15 PM - 02:30 PM	59.4	77.9	54.5
02:30 PM - 02:45 PM	58.5	74.8	54.3
02:45 PM - 02:55 PM	58.3	78.5	53.6
02:55 PM - 03:10 PM	58.0	77.1	53.8
03:10 PM - 03:25 PM	58.5	80.5	54.9
03:25 PM - 03:40 PM	58.9	79.9	54.5
03:40 PM - 03:55 PM	57.4	77.7	53.5
03:55 PM - 04:10 PM	56.5	65.0	52.9
04:10 PM - 04:25 PM	58.3	73.1	53.7
04:25 PM - 04:40 PM	56.1	62.0	53.1
04:40 PM - 04:55 PM	55.9	64.2	52.1
04:55 PM - 05:10 PM	56.4	70.2	51.5
05:10 PM - 05:25 PM	56.5	68.2	51.9
05:25 PM - 05:40 PM	56.7	69.1	52.5
05:40 PM - 05:55 PM	55.5	64.4	51.6
05:55 PM - 06:10 PM	58.7	77.9	52.2
06:10 PM - 06:25 PM	56.8	64.7	52.3
06:25 PM - 06:40 PM	56.1	70.2	51.6
06:40 PM - 06:55 PM	56.5	64.5	51.6
06:55 PM - 07:10 PM	56.3	68.3	52.5
07:10 PM - 07:25 PM	54.4	71.4	52.1
07:25 PM - 07:40 PM	56.8	72.9	51.2
07:40 PM - 07:55 PM	56.8	61.9	51.8
07:55 PM - 08:10 PM	56.5	69.8	51.4
08:10 PM - 08:25 PM	56.0	64.5	52.1
08:25 PM - 08:40 PM	57.0	71.4	51.7
08:40 PM - 08:55 PM	56.7	69.7	51.7
08:55 PM - 09:10 PM	55.8	62.1	50.5
09:10 PM - 09:25 PM	56.4	68.8	51.4
09:25 PM - 09:40 PM	55.1	65.7	51.7
09:40 PM - 09:55 PM	52.9	64.7	44.0
09:55 PM - 10:10 PM	53.6	67.2	44.8
10:10 PM - 10:25 PM	53.9	66.8	46.8
10:25 PM - 10:40 PM	57.3	73.1	44.9
10:40 PM - 10:55 PM	53.4	67.1	44.3
10:55 PM - 11:10 PM	53.5	65.8	44.3
11:10 PM - 11:25 PM	53.5	68.6	45.9
11:25 PM - 11:40 PM	50.6	62.0	41.9
11:40 PM - 11:55 PM	52.4	68.9	45.0

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Approved by

Kasem Anet

Kasem Anet
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Let ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907300-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149381-5
Parameter : Noise
Location : ตำบลคูหาสวรรค์/อำเภอเมือง (GPS 48Q 279468, 1888972) (วัดด้าน) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 01:00 AM	56.2	73.3	47.1
01:00 AM - 01:15 AM	53.9	66.3	45.1
01:15 AM - 01:30 AM	56.3	72.9	46.0
01:30 AM - 01:45 AM	56.9	66.9	45.9
01:45 AM - 01:55 AM	54.5	66.7	46.0
01:55 AM - 02:10 AM	54.9	69.4	42.3
02:10 AM - 02:25 AM	52.0	68.0	43.3
02:25 AM - 02:40 AM	53.1	67.4	44.5
02:40 AM - 02:55 AM	54.3	68.7	44.7
02:55 AM - 03:10 AM	52.9	70.1	44.7
03:10 AM - 03:25 AM	53.8	63.7	46.0
03:25 AM - 03:40 AM	54.8	71.3	45.0
03:40 AM - 03:55 AM	54.2	67.7	45.7
03:55 AM - 04:10 AM	56.5	66.9	47.5
04:10 AM - 04:25 AM	53.5	62.7	46.3
04:25 AM - 04:40 AM	53.6	60.2	45.8
04:40 AM - 04:55 AM	54.0	71.0	45.8
04:55 AM - 05:10 AM	53.8	68.8	45.9
05:10 AM - 05:25 AM	53.2	62.9	46.8
05:25 AM - 05:40 AM	53.5	63.7	44.8
05:40 AM - 05:55 AM	53.7	67.9	44.8
05:55 AM - 06:10 AM	54.3	73.2	44.1
06:10 AM - 06:25 AM	56.1	70.4	45.8
06:25 AM - 06:40 AM	56.6	70.6	48.9
06:40 AM - 06:55 AM	53.4	63.6	46.2
06:55 AM - 07:10 AM	53.8	62.5	45.8
07:10 AM - 07:25 AM	52.0	63.5	42.9
07:25 AM - 07:40 AM	54.6	63.5	43.6
07:40 AM - 07:55 AM	51.3	60.8	41.1
07:55 AM - 08:10 AM	56.0	70.4	47.6
08:10 AM - 08:25 AM	51.8	68.3	45.5
08:25 AM - 08:40 AM	53.7	69.7	49.5
08:40 AM - 08:55 AM	53.0	65.7	50.0
08:55 AM - 09:10 AM	58.4	70.5	46.8
09:10 AM - 09:25 AM	54.2	62.5	45.1
09:25 AM - 09:40 AM	58.4	65.4	41.1
09:40 AM - 09:55 AM	53.2	62.4	46.9
09:55 AM - 01:00 AM	53.6	64.2	47.2
01:00 AM - 01:15 AM	59.3	70.9	47.7
01:15 AM - 01:30 AM	58.7	73.2	49.0

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Approved by

Kasem Anet

Kasem Anet
Senior Manager

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Analysis / Test Report



TESTING
No. 0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Let ID: 23149381
Date Received: Jan 31, 2024
Date Reported: Feb 09, 2024
Report No.: 2907300-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149381-5
Parameter : Noise
Location : ตำบลคูหาสวรรค์/อำเภอเมือง (GPS 48Q 279468, 1888972) (วัดด้าน) (Shut down)
Measurement Date : Jan 26 - 27, 2024
Measurement by : Nathapon Kunnasut
Sound Level Meter : 222578

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:15 AM	54.7	65.1	47.6
04:15 AM - 04:30 AM	52.1	64.1	46.4
04:30 AM - 04:45 AM	55.3	65.4	47.5
04:45 AM - 04:55 AM	54.9	65.4	47.2
04:55 AM - 05:10 AM	54.9	61.9	47.8
05:10 AM - 05:25 AM	55.2	67.3	44.1
05:25 AM - 05:40 AM	55.2	68.9	45.8
05:40 AM - 05:55 AM	54.7	69.5	48.0
05:55 AM - 06:10 AM	54.7	64.5	47.5
06:10 AM - 06:25 AM	55.4	64.5	51.7
06:25 AM - 06:40 AM	55.0	61.8	47.2
06:40 AM - 06:55 AM	54.2	64.2	45.4
06:55 AM - 07:10 AM	53.4	63.0	45.1
07:10 AM - 07:25 AM	52.8	61.3	45.1
07:25 AM - 07:40 AM	56.1	70.2	47.7
07:40 AM - 07:55 AM	56.3	66.4	50.5
07:55 AM - 08:10 AM	57.0	68.1	50.1
08:10 AM - 08:25 AM	56.9	69.4	51.3
08:25 AM - 08:40 AM	52.1	66.4	51.9
08:40 AM - 08:55 AM	55.6	64.5	51.1
08:55 AM - 09:10 AM	57.1	55.6	51.9
09:10 AM - 09:25 AM	55.7	63.0	49.2
09:25 AM - 09:40 AM	55.0	71.8	48.4
09:40 AM - 09:55 AM	58.3	68.0	51.4
09:55 AM - 10:10 AM	58.1	75.3	53.0
10:10 AM - 10:25 AM	54.5	62.7	55.0
10:25 AM - 10:40 AM	59.3	78.9	54.7
10:40 AM - 10:55 AM	59.1	79.6	55.0
10:55 AM - 11:10 AM	58.9	75.8	54.1
11:10 AM - 11:25 PM	58.7	78.4	54.6
11:25 PM - 01:00 PM	58.5	77.1	53.9
01:00 PM - 02:00 PM	58.4	70.6	53.8

Reference Method :
1. In-house method : STM 66-001 based on ISO 1996-1 : 2016
2. ฐานข้อมูลมาตรฐานเสียง : ใช้ค่ามาตรฐานเสียงตามเกณฑ์ของประเทศไทย 24 ชั่วโมง และค่ามาตรฐานเสียงตามเกณฑ์ของประเทศไทย ม. 2553

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Approved by

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Kasem Anet
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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No. : 2907302-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 23149381-7
Parameter : Noise
Location : บ้านโคกคุดน้ำใส/บ้านนาสุสาน (GPS 46Q 279468, 1888172) (หน้าวัด) (Shut down)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Nathapen Kumsat
Sound Level Meter : 222526

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:40 AM - 12:45 AM	52.1	62.9	43.8
12:45 AM - 12:50 AM	51.5	74.8	42.5
12:50 AM - 12:55 AM	52.1	59.8	44.9
12:55 AM - 01:00 AM	52.4	75.5	44.7
01:00 AM - 01:05 AM	49.7	56.6	44.4
01:05 AM - 01:10 AM	51.1	57.6	41.8
01:10 AM - 01:15 AM	51.3	62.9	47.3
01:15 AM - 01:20 AM	49.2	58.8	42.7
01:20 AM - 01:25 AM	51.9	60.3	46.3
01:25 AM - 01:30 AM	54.1	67.8	47.4
01:30 AM - 01:35 AM	51.6	62.6	44.2
01:35 AM - 01:40 AM	52.9	62.7	44.3
01:40 AM - 01:45 AM	53.3	63.9	43.9
01:45 AM - 01:50 AM	52.7	63.7	46.6
01:50 AM - 01:55 AM	55.8	63.3	47.3
01:55 AM - 02:00 AM	52.4	60.6	46.7
02:00 AM - 02:05 AM	51.4	57.8	46.4
02:05 AM - 02:10 AM	52.7	61.9	44.3
02:10 AM - 02:15 AM	51.6	62.4	46.1
02:15 AM - 02:20 AM	53.2	63.4	43.5
02:20 AM - 02:25 AM	51.2	65.3	44.3
02:25 AM - 02:30 AM	55.1	67.7	47.4
02:30 AM - 02:35 AM	51.4	64.8	45.1
02:35 AM - 02:40 AM	57.7	67.6	44.1
02:40 AM - 02:45 AM	52.8	62.8	43.7
02:45 AM - 02:50 AM	55.7	65.5	43.6
02:50 AM - 02:55 AM	50.5	59.3	44.4
02:55 AM - 03:00 AM	54.8	66.7	45.2
03:00 AM - 03:05 AM	52.5	65.0	44.2
03:05 AM - 03:10 AM	52.0	61.4	44.6
03:10 AM - 03:15 AM	51.4	64.9	44.2
03:15 AM - 03:20 AM	51.2	66.1	47.2
03:20 AM - 03:25 AM	51.9	67.5	46.7
03:25 AM - 03:30 AM	52.5	64.5	45.3
03:30 AM - 03:35 AM	54.6	66.9	45.6
03:35 AM - 03:40 AM	53.9	64.0	45.1
03:40 AM - 03:45 AM	51.7	60.0	43.6
03:45 AM - 03:50 AM	51.1	64.9	42.5
03:50 AM - 03:55 AM	51.4	66.2	43.8
03:55 AM - 04:00 AM	52.7	66.1	44.1

The above results are valid for the use and test method as indicated in the report. Results of the test method used are not to be reproduced or used for any other purpose without the written consent of ALS Laboratory Group (Thailand) Limited. Any reproduction of this report is not permitted without the written consent of ALS.

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Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 23149381
Date Received Jan 31, 2024
Date Reported Feb 09, 2024
Report No. : 2907302-1

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 23149381-7
Parameter : Noise
Location : บ้านโคกคุดน้ำใส/บ้านนาสุสาน (GPS 46Q 279468, 1888172) (หน้าวัด) (Shut down)
Measurement Date : Jan 28 - 29, 2024
Measurement by : Nathapen Kumsat
Sound Level Meter : 222526

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:00 AM - 04:05 AM	54.8	64.6	46.8
04:05 AM - 04:10 AM	51.5	63.5	42.8
04:10 AM - 04:15 AM	53.2	63.5	46.8
04:15 AM - 04:20 AM	53.9	63.3	46.8
04:20 AM - 04:25 AM	54.6	65.8	46.0
04:25 AM - 04:30 AM	52.3	63.7	45.0
04:30 AM - 04:35 AM	53.0	66.9	46.9
04:35 AM - 04:40 AM	53.9	68.3	49.3
04:40 AM - 04:45 AM	54.1	65.3	47.3
04:45 AM - 04:50 AM	56.9	76.1	47.8
04:50 AM - 04:55 AM	54.1	64.8	45.2
04:55 AM - 05:00 AM	54.3	62.0	46.7
05:00 AM - 05:05 AM	55.9	68.3	51.4
05:05 AM - 05:10 AM	54.7	64.4	47.4
05:10 AM - 05:15 AM	51.3	68.0	47.5
05:15 AM - 05:20 AM	54.0	61.0	47.7
05:20 AM - 05:25 AM	54.2	62.0	49.9
05:25 AM - 05:30 AM	55.0	65.5	49.1
05:30 AM - 05:35 AM	54.2	62.1	47.5
05:35 AM - 05:40 AM	54.7	63.6	49.8
05:40 AM - 05:45 AM	58.4	75.1	50.9
05:45 AM - 05:50 AM	55.9	65.7	49.1
05:50 AM - 05:55 AM	55.8	63.2	48.9
05:55 AM - 06:00 AM	54.6	63.8	48.5
06:00 AM - 06:05 AM	58.3	72.8	54.2
06:05 AM - 06:10 AM	58.9	69.3	54.5
06:10 AM - 06:15 AM	56.7	71.9	54.6
06:15 AM - 06:20 AM	57.6	74.4	53.8
06:20 AM - 06:25 AM	56.0	74.2	52.6
06:25 AM - 06:30 AM	57.9	72.0	52.9
06:30 AM - 06:35 AM	57.7	72.7	52.7
06:35 AM - 06:40 AM	57.7	73.5	51.7

Reference Method :

- In-house method : STM 06-081 based on ISO 1996-1 : 2016
- Documented in the report : (เอกสารแนบท้ายรายงานฉบับที่ 24) วิธีการวัดและประเมินค่าเสียงตามมาตรฐาน ม.ร.ร. 2557

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumbhawan, 18600 Thani Thadand 41370

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454502
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report Number : J017064-1

Page 1 of 3

Sample No.	2454502-1
Parameter	เสียงรบกวน
Location	บริเวณพื้นที่หน้าวัดโพธิ์:บึงกุ่ม (GPS 48 Q 279462, 1886929)
Measurement Date	May 25 - 26, 2024
Measurement by	Sangtorn Hatesat
Sound Level Meter	01177614

เวลา	เสียงจาก บนตัวเครื่อง	เสียงจาก ไมโครโฟนภายนอก	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าตาม มาตรฐาน
			เมื่อมีการใช้งาน			
			กลางคืน	กลางวัน		
07:00 AM - 08:00 AM	61.1	58.7	57.4	-	54.0	3.4
08:00 AM - 09:00 AM	61.2	58.3	58.1	-	53.5	4.6
09:00 AM - 10:00 AM	61.8	58.3	59.3	-	53.9	5.8
10:00 AM - 11:00 AM	62.0	58.0	59.0	-	54.3	4.7
11:00 AM - 12:00 PM	61.4	59.0	57.7	-	54.1	2.6
12:00 PM - 01:00 PM	60.4	57.6	57.0	-	52.7	4.5
01:00 PM - 02:00 PM	61.3	59.0	57.0	-	54.5	2.9
02:00 PM - 03:00 PM	61.4	59.6	57.3	-	54.7	2.5
03:00 PM - 04:00 PM	62.7	59.4	61.0	-	54.7	6.3
04:00 PM - 05:00 PM	66.7	59.1	55.6	-	54.6	1.0
05:00 PM - 06:00 PM	67.4	59.7	61.3	-	55.1	6.2
06:00 PM - 07:00 PM	59.8	58.3	55.4	-	54.1	0.4
07:00 PM - 08:00 PM	60.2	58.7	55.9	-	53.9	2.0
08:00 PM - 09:00 PM	59.5	57.1	55.1	-	51.6	4.2
09:00 PM - 10:00 PM	60.5	56.7	58.2	-	50.2	8.0
10:00 PM - 10:55 PM	57.2	54.4	-	57.0	48.4	8.6
10:55 PM - 10:58 PM	57.8	56.5	-	50.4	48.2	2.2
10:58 PM - 10:59 PM	58.7	56.6	-	52.3	48.3	4.9
10:59 PM - 10:59 PM	54.4	55.3	-	n/a	48.1	-
10:59 PM - 10:59 PM	56.3	54.7	-	54.2	48.2	6.0
10:59 PM - 10:59 PM	56.9	56.0	-	n/a	51.7	-
10:59 PM - 10:59 PM	57.3	56.1	-	54.1	49.6	4.3
10:59 PM - 10:59 PM	58.0	56.3	-	57.0	50.1	6.9
10:59 PM - 10:59 PM	57.5	55.5	-	56.2	46.7	9.5
10:59 PM - 10:59 PM	55.8	54.7	-	51.3	47.3	2.8
10:59 PM - 10:55 PM	56.4	54.8	-	54.9	46.1	8.8
10:55 PM - 11:00 PM	56.8	55.4	-	49.2	46.3	2.9
11:00 PM - 11:05 PM	56.7	56.6	-	53.7	49.3	6.5
11:05 PM - 11:09 PM	55.5	54.1	-	52.8	46.4	4.5
11:10 PM - 11:15 PM	55.9	56.0	-	n/a	50.9	-
11:15 PM - 11:20 PM	55.1	52.1	-	55.1	44.6	10.5
11:20 PM - 11:25 PM	56.3	56.6	-	56.6	44.5	11.1
11:25 PM - 11:30 PM	54.1	55.1	-	52.2	47.5	4.7
11:30 PM - 11:35 PM	54.9	54.0	-	50.6	45.2	5.4
11:35 PM - 11:40 PM	55.0	52.0	-	41.0	45.6	15.4
11:40 PM - 11:45 PM	54.4	54.0	-	48.0	49.5	-0.7
11:45 PM - 11:50 PM	56.4	54.4	-	55.1	46.9	8.2
11:50 PM - 11:55 PM	55.9	53.2	-	55.6	46.1	9.5
11:55 PM - 12:00 AM	55.5	54.2	-	57.4	47.4	11.8
12:00 AM - 12:00 AM	55.2	54.7	-	51.3	46.5	4.8

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Approved by Korakorn Anek
Korakorn Anek
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Analysis / Test Report

Client : Kasetsart Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454502
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report Number : 3017064-1

Page 2 of 3

Sample No.	2454502-1
Parameter	เสียงรบกวน
Location	บริเวณจุดรับฟังค่าสัญญาณ: ลอดช่อง (GPS 48Q 279462, 1888929)
Measurement Date	May 25 - 26, 2024
Measurement by	Sangtaween Natasat
Sound Level Meter	01123514

ເວລາ	ເມືອງຈັກ ພາຍໃຕ້ຄຳລັດ	ເມືອງທະນາ ໄທໃຕ້ຈັກທະນາ	ທຸລະຍົກ (dB(A))		ເວລາເຖິງທະນາ	ຄາງານ ຄຳທະນາ
			ຄາງານ	ຄາງານ		
12:05 AM - 12:10 AM	61.7	54.1	-	63.9	47.1	16.8
12:10 AM - 12:15 AM	59.0	52.3	-	63.0	43.5	17.5
12:15 AM - 12:20 AM	54.9	54.9	-	59.8	44.3	-
12:20 AM - 12:25 AM	54.4	53.6	-	57.2	42.1	15.6
12:25 AM - 12:30 AM	54.4	53.6	-	49.7	44.8	4.9
12:30 AM - 12:35 AM	56.5	53.3	-	56.3	45.5	12.2
12:35 AM - 12:40 AM	55.0	56.8	-	57.9	42.9	-
12:40 AM - 12:45 AM	58.4	51.3	-	60.5	42.4	18.1
12:45 AM - 12:50 AM	55.2	51.7	-	65.6	47.4	12.2
12:50 AM - 12:55 AM	56.1	54.9	-	57.5	43.5	6.3
12:55 AM - 01:00 AM	59.0	53.5	-	60.6	44.0	16.6
01:00 AM - 01:05 AM	55.0	53.5	-	57.2	44.2	8.5
01:05 AM - 01:10 AM	56.4	52.5	-	53.9	40.7	12.2
01:10 AM - 01:15 AM	53.7	53.7	-	54.4	42.5	11.9
01:15 AM - 01:20 AM	56.4	51.6	-	52.7	42.5	15.2
01:20 AM - 01:25 AM	56.1	50.7	-	57.6	41.5	16.1
01:25 AM - 01:30 AM	59.2	52.7	-	61.1	45.3	15.3
01:30 AM - 01:35 AM	54.1	50.9	-	59.8	42.7	17.1
01:35 AM - 01:40 AM	56.9	54.5	-	56.2	42.2	14.0
01:40 AM - 01:45 AM	56.3	53.4	-	54.6	41.4	16.2
01:45 AM - 01:50 AM	53.8	52.7	-	54.6	44.3	10.4
01:50 AM - 01:55 AM	57.0	52.0	-	58.3	43.9	14.4
01:55 AM - 02:00 AM	54.7	53.6	-	51.2	41.2	10.0
02:00 AM - 02:05 AM	56.4	54.3	-	55.2	41.7	13.5
02:05 AM - 02:10 AM	52.9	51.1	-	58.6	41.1	12.5
02:10 AM - 02:15 AM	56.0	51.6	-	53.0	41.2	15.8
02:15 AM - 02:20 AM	55.7	52.1	-	56.2	43.4	12.8
02:20 AM - 02:25 AM	56.5	52.5	-	59.9	44.3	-
02:25 AM - 02:30 AM	55.8	53.0	-	55.5	41.7	13.9
02:30 AM - 02:35 AM	55.5	53.5	-	54.2	44.4	12.8
02:35 AM - 02:40 AM	55.9	52.1	-	56.8	48.3	17.3
02:40 AM - 02:45 AM	54.8	51.8	-	57.4	50.8	-
02:45 AM - 02:50 AM	55.2	53.0	-	57.4	54.4	-
02:50 AM - 02:55 AM	55.2	60.1	-	57.4	54.2	-
02:55 AM - 03:00 AM	56.3	54.9	-	53.7	48.1	41.1
03:00 AM - 03:05 AM	58.2	52.3	-	59.9	45.5	14.4
03:05 AM - 03:10 AM	56.6	52.4	-	57.5	41.7	15.8
03:10 AM - 03:15 AM	55.4	50.3	-	56.8	48.6	16.0
03:15 AM - 03:20 AM	53.4	51.4	-	57.0	42.0	15.8
03:20 AM - 03:25 AM	55.0	52.3	-	60.3	41.4	17.9

The above material is made into the New and Used Vehicle Reports as included in this report. All parts of this report or contents may be reproduced in any form without our prior consent from the Laboratory. As a service to our Client (You) and as a disclaimer, we state that this report is not an official report of the FBI.

Approved by Kanekkorn Anek
Kanekkorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Khro, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No. J0410000125J43_EJA Monitoring
Project Location :

Lot ID: 2454502
Date Received :Jun 04, 202
Date Reported :Jun 07, 202
Report Number : 3017064-1

Page 2 of 2

Sample No.	2454502-1
Parameter	ปริมาณสารพิษ
Location	บริเวณศูนย์รถจักรยานยนต์: หนอง (GPS 48Q 279462, 18889129)
Measurement Date	May 25 - 26, 2024
Measurement by	Sangluen Natasat

ເວລາ	ເວລາທຳ ພະລັງງານ	ເວລາທຳ ໂທລະພາບ	ເວລາທຳ ຄວາມ	ເວລາທຳ ຄວາມ	ເວລາທຳ ຄວາມ	ຄວາມ
07:35 AM - 07:30 AM	59.7	50.2	-	61.0	44.1	16.9
07:30 AM - 07:35 AM	55.6	52.9	-	56.1	43.2	12.8
07:35 AM - 07:40 AM	56.6	50.0	-	57.4	42.6	13.8
07:40 AM - 07:45 AM	58.3	50.0	-	60.2	41.2	17.2
07:45 AM - 07:50 AM	57.0	50.0	-	58.8	40.0	16.8
07:50 AM - 07:55 AM	56.2	52.0	-	56.1	40.0	13.1
07:55 AM - 08:00 AM	50.7	52.9	-	52.9	41.4	16.5
08:00 AM - 08:05 AM	55.3	51.1	-	54.3	44.1	10.2
08:05 AM - 08:10 AM	56.6	51.6	-	57.9	41.1	15.8
08:10 AM - 08:15 AM	51.7	51.1	-	47.9	41.5	6.3
08:15 AM - 08:20 AM	56.8	52.9	-	57.5	42.6	14.9
08:20 AM - 08:25 AM	56.3	51.9	-	56.6	43.0	12.6
08:25 AM - 08:30 AM	55.0	55.2	-	60.6	46.1	-
08:30 AM - 08:35 AM	56.1	54.3	-	54.4	40.6	13.8
08:35 AM - 08:40 AM	55.6	52.2	-	55.0	40.2	14.2
08:40 AM - 08:45 AM	55.9	50.5	-	57.9	40.0	15.5
08:45 AM - 08:50 AM	53.2	51.5	-	55.9	42.7	8.0
08:50 AM - 08:55 AM	55.6	50.3	-	47.2	46.7	-4.5
08:55 AM - 09:00 AM	58.2	54.4	-	58.9	43.0	15.3
09:00 AM - 09:05 AM	57.0	55.1	-	55.1	41.7	8.0
09:05 AM - 09:10 AM	56.2	56.2	-	50.9	54.8	-
09:10 AM - 09:15 AM	55.7	55.7	-	50.9	46.6	-
09:15 AM - 09:20 AM	56.4	53.0	-	56.2	48.4	7.8
09:20 AM - 09:25 AM	57.4	57.1	-	48.6	53.5	-4.9
09:25 AM - 09:30 AM	57.8	58.8	-	49.8	56.1	-
09:30 AM - 09:35 AM	57.0	57.0	-	49.8	54.6	-
09:35 AM - 09:40 AM	58.8	54.3	-	60.5	53.5	9.6
09:40 AM - 09:45 AM	58.8	55.3	-	57.2	49.2	7.5
09:45 AM - 09:50 AM	56.9	55.7	-	53.7	51.1	2.6
09:50 AM - 09:55 AM	57.5	54.7	-	57.3	51.1	6.2
09:55 AM - 10:00 AM	59.7	54.4	-	50.9	45.5	-
10:00 AM - 07:00 AM	59.2	54.8	48.6	-	51.8	-3.2

รายละเอียด Method :

1. Isotopic method (STM-06-001) based on ISO 11914-1 : 2016
2. ใช้เทคนิคการวิเคราะห์ด้วยเครื่องมือ Gas Chromatograph-Mass Spectrometer (GC-MS) ที่ผ่านการสอบเทียบแล้วตามมาตรฐาน ASTM 2567

หมายเหตุ :

1. ใช้เทคนิคการวิเคราะห์ตาม (Isotopic method) ที่ผ่านการสอบเทียบแล้วตามมาตรฐาน ISO 11914-1 : 2016 และตามมาตรฐาน ASTM 2567
2. ใช้เทคนิคการวิเคราะห์ตาม (Isotopic method) ที่ผ่านการสอบเทียบแล้วตามมาตรฐาน ISO 11914-1 : 2016 และตามมาตรฐาน ASTM 2567

Remark :

1. ค่าเฉลี่ยของผลการวิเคราะห์ตามวิธี 25-25 หมายถึงตาม 2567
2. ค่าเฉลี่ยของผลการวิเคราะห์ตามวิธี 25-25 หมายถึงตาม (Sample No. 2545401-1) ที่วิเคราะห์ 25-25 หมายถึงตาม 2567)

The above results are valid only for the one-dimensional geometry, as indicated in the report. No part of the report for 3D-EPR may be reproduced in any form without written consent from the Laboratory of A.S. Laboratory of General Chemistry.

Approved by Kanok Korn Anek
Kanok Korn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 421005772
Project Name : Factory License No.10410000125743_EJA Monitoring
Project Location :

Lot ID: 2454502
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report Number : 3017065-1

Page 1 of 2

Sample No.	2454502.2
Parameter	เสียงรบกวน
Location	บูตบกนอ.ปทุมวันพิกัด:พิกัด (GPS ๔Q 279462, 188829)
Measurement Date	May 26 - 27, 2024
Measurement by	Senglawan Halasa
Sound Level Meter	01173614

พจนานุกรม (S&A)							
เวลา	เมืองจาก แหล่งผลิต	เมืองท่า		เมืองท่าปลายทาง		เมืองปลายทาง	ค่าเงิน ปลายทาง
		เมืองท่า	ปลายทาง	ปลายทาง	ปลายทาง		
07:00 AM - 08:00 AM	58.8	59.5	58.8	-	54.5	4.5	
08:00 AM - 09:00 AM	60.1	59.1	53.2	-	54.2	-1.0	
09:00 AM - 10:00 AM	59.8	59.8	59.8	-	54.3	-1.3	
10:00 AM - 11:00 AM	60.1	59.3	53.5	-	55.0	-1.5	
11:00 AM - 12:00 PM	59.9	59.2	56.6	-	56.5	0.1	
12:00 PM - 01:00 PM	60.3	59.3	57.3	-	56.7	0.6	
01:00 PM - 02:00 PM	61.1	59.2	51.1	-	56.5	5.1	
02:00 PM - 03:00 PM	61.3	59.6	60.5	-	55.6	4.9	
03:00 PM - 04:00 PM	61.2	58.1	59.2	-	57.2	2.0	
04:00 PM - 05:00 PM	62.0	59.2	56.8	-	58.4	-	
05:00 PM - 06:00 PM	61.0	59.5	57.4	-	57.8	-0.4	
06:00 PM - 07:00 PM	60.0	58.1	55.5	-	57.3	-1.8	
07:00 PM - 08:00 PM	60.1	59.9	46.6	-	57.2	-10.7	
08:00 PM - 09:00 PM	59.0	59.0	n/a	-	55.1	-	
09:00 PM - 10:00 PM	57.5	59.2	n/a	-	59.1	-	
10:00 PM - 11:00 PM	56.6	59.3	-	n/a	56.5	-	
11:00 PM - 12:00 AM	55.3	59.2	-	n/a	58.6	-	
12:00 AM - 01:00 AM	51.2	59.2	-	59.8	58.6	1.3	
01:00 AM - 02:00 AM	55.1	59.4	-	n/a	58.6	-	
02:00 AM - 03:00 AM	60.0	59.1	-	55.7	59.5	-2.8	
03:00 AM - 04:00 AM	59.7	59.1	-	n/a	58.4	-	
04:00 AM - 05:00 AM	59.2	59.2	-	n/a	58.5	-	
05:00 AM - 06:00 AM	59.1	59.1	-	n/a	58.4	-	
06:00 AM - 07:00 AM	56.8	59.1	-	n/a	58.4	-	
07:00 AM - 08:00 AM	58.8	59.1	-	n/a	58.4	-	
08:00 AM - 09:00 AM	57.5	59.1	-	n/a	58.4	-	
09:00 AM - 10:00 AM	56.0	59.1	-	n/a	58.4	-	
10:00 AM - 11:00 PM	57.0	59.1	-	n/a	58.4	-	
11:00 PM - 11:55 PM	56.5	58.9	-	n/a	58.2	-	
11:55 PM - 12:00 AM	56.1	58.9	-	n/a	58.3	-	
11:00 PM - 11:55 PM	54.3	58.8	-	n/a	58.2	-	
11:55 PM - 12:00 PM	55.0	58.6	-	n/a	58.1	-	
12:00 PM - 12:05 AM	54.0	58.7	-	n/a	58.1	-	
12:05 AM - 12:10 PM	59.1	58.7	-	n/a	58.1	-	
12:10 PM - 12:15 PM	61.3	58.8	-	60.7	58.1	2.6	
12:15 PM - 12:40 PM	59.4	58.7	-	55.3	58.1	-2.8	
12:40 PM - 1:45 PM	56.6	58.2	-	n/a	58.1	-	
1:45 PM - 11:50 PM	57.6	58.5	-	n/a	58.1	-	
11:50 PM - 11:55 PM	56.2	58.5	-	n/a	58.0	-	
11:55 PM - 12:00 AM	56.6	58.5	-	n/a	58.0	-	
12:00 AM - 12:05 AM	55.8	59.0	-	n/a	58.0	-	

The above results are valid only for the short-run (static) equilibrium as indicated by the report. The rest of the report is devoted to show the equilibrium in any long-run (dynamic) context from the Labour side. As Labour side is not (yet) an official component of the model, the rest of the report is not meant to be used in full.

Approved by Kanokorn Anek
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Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report Number: 3017065-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454502-2
Parameter เลือดตะกอน
Location ในพื้นที่ใกล้หน่วยพักตากุ้ง (GPS 48Q 279462, 1888929)
Measurement Date May 26 - 27, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
17:05 AM - 17:10 AM	55.5	59.3	-	58.6	-	-
17:10 AM - 17:15 AM	57.0	59.2	-	58.9	-	-
17:15 AM - 17:20 AM	57.4	59.3	-	58.9	-	-
17:20 AM - 17:25 AM	57.3	59.2	-	58.6	-	-
17:25 AM - 17:30 AM	56.5	59.2	-	58.6	-	-
17:30 AM - 17:35 AM	56.1	59.2	-	58.6	-	-
17:35 AM - 17:40 AM	55.3	59.3	-	58.9	-	-
17:40 AM - 17:45 AM	61.2	59.1	-	60.0	-	58.5
17:45 AM - 17:50 AM	58.1	59.1	-	58.6	-	-
17:50 AM - 17:55 AM	56.2	58.9	-	58.6	-	-
17:55 AM - 01:00 AM	54.5	59.3	-	58.6	-	-
01:00 AM - 01:05 AM	52.6	59.1	-	58.6	-	-
01:05 AM - 01:10 AM	54.1	59.0	-	58.6	-	-
01:10 AM - 01:15 AM	54.8	59.0	-	58.6	-	-
01:15 AM - 01:20 AM	54.0	59.1	-	58.6	-	-
01:20 AM - 01:25 AM	55.1	59.0	-	58.6	-	-
01:25 AM - 01:30 AM	54.5	59.0	-	58.6	-	-
01:30 AM - 01:35 AM	56.5	59.0	-	58.6	-	-
01:35 AM - 01:40 AM	53.9	59.1	-	58.6	-	-
01:40 AM - 01:45 AM	54.1	59.0	-	58.6	-	-
01:45 AM - 01:50 AM	57.1	59.0	-	58.6	-	-
01:50 AM - 01:55 AM	56.6	58.9	-	58.6	-	-
01:55 AM - 02:00 AM	57.2	58.9	-	58.6	-	-
02:00 AM - 02:05 AM	55.3	58.9	-	58.6	-	-
02:05 AM - 02:10 AM	56.9	59.0	-	58.6	-	-
02:10 AM - 02:15 AM	54.9	58.8	-	58.6	-	-
02:15 AM - 02:20 AM	58.2	58.9	-	58.6	-	-
02:20 AM - 02:25 AM	59.0	58.9	-	58.6	-	-
02:25 AM - 02:30 AM	54.0	58.6	-	58.6	-	-
02:30 AM - 02:35 AM	56.4	58.6	-	58.6	-	-
02:35 AM - 02:40 AM	55.0	58.3	-	58.6	-	-
02:40 AM - 02:45 AM	58.5	58.0	-	58.6	-	-
02:45 AM - 02:50 AM	58.9	58.1	-	58.6	-	-
02:50 AM - 02:55 AM	57.1	58.0	-	58.6	-	-
02:55 AM - 03:00 AM	58.8	57.8	-	54.9	-	-
03:00 AM - 03:05 AM	57.7	57.6	-	55.3	-	-
03:05 AM - 03:10 AM	56.3	57.4	-	55.3	-	-
03:10 AM - 03:15 AM	58.9	57.3	-	56.3	-	-
03:15 AM - 03:20 AM	59.0	57.2	-	56.3	-	-
03:20 AM - 03:25 AM	59.9	57.1	-	56.3	-	-

Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report Number: 3017065-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454502-2
Parameter เลือดตะกอน
Location ในพื้นที่ใกล้หน่วยพักตากุ้ง (GPS 48Q 279462, 1888929)
Measurement Date May 26 - 27, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:25 AM - 03:30 AM	59.1	57.1	-	57.8	-	55.3
03:30 AM - 03:35 AM	54.9	56.8	-	57.8	-	56.2
03:35 AM - 03:40 AM	57.4	56.8	-	56.5	-	56.1
03:40 AM - 03:45 AM	57.3	56.7	-	56.4	-	56.1
03:45 AM - 03:50 AM	62.3	56.8	-	62.9	-	56.1
03:50 AM - 03:55 AM	68.0	56.9	-	68.0	-	56.2
03:55 AM - 04:00 AM	61.2	56.8	-	62.2	-	56.1
04:00 AM - 04:05 AM	58.0	56.8	-	62.2	-	56.2
04:05 AM - 04:10 AM	61.3	56.8	-	62.4	-	56.1
04:10 AM - 04:15 AM	56.4	56.4	-	56.4	-	55.9
04:15 AM - 04:20 AM	57.0	56.4	-	55.1	-	55.8
04:20 AM - 04:25 AM	57.8	56.2	-	55.7	-	55.6
04:25 AM - 04:30 AM	58.9	56.2	-	56.4	-	55.5
04:30 AM - 04:35 AM	57.2	56.3	-	55.9	-	55.7
04:35 AM - 04:40 AM	58.2	56.3	-	56.7	-	55.6
04:40 AM - 04:45 AM	58.6	56.3	-	57.7	-	55.6
04:45 AM - 04:50 AM	60.0	56.1	-	60.7	-	55.4
04:50 AM - 04:55 AM	57.5	56.1	-	54.9	-	55.4
04:55 AM - 05:00 AM	58.5	56.1	-	57.8	-	55.4
05:00 AM - 05:05 AM	61.0	56.0	-	62.1	-	55.3
05:05 AM - 05:10 AM	64.9	56.0	-	67.3	-	55.3
05:10 AM - 05:15 AM	69.8	56.0	-	72.6	-	55.3
05:15 AM - 05:20 AM	61.2	55.9	-	62.7	-	55.3
05:20 AM - 05:25 AM	69.3	55.9	-	72.1	-	55.2
05:25 AM - 05:30 AM	68.3	56.0	-	71.0	-	55.4
05:30 AM - 05:35 AM	61.4	56.3	-	62.9	-	55.4
05:35 AM - 05:40 AM	60.5	56.0	-	61.6	-	55.4
05:40 AM - 05:45 AM	61.2	56.1	-	62.6	-	55.5
05:45 AM - 05:50 AM	60.7	56.1	-	61.9	-	55.5
05:50 AM - 05:55 AM	62.1	56.1	-	63.1	-	55.3
05:55 AM - 06:00 AM	60.1	56.1	-	60.9	-	55.5
06:00 AM - 07:00 AM	59.8	56.6	57.0	-	55.7	55.8

Reference Method:

- In-house method: STN 06-001 based on ISO 1996-1: 2016
- On-site measurement was conducted using a Class 1 sound level meter (Type 024) with a 1/3 octave band filter and a 1/2 inch microphone, following the requirements of the Thai Standard TIS 1054-2567.
- Measurement was conducted during the day (06:00 AM to 06:00 PM) and night (10:00 PM to 06:00 AM) periods, with a minimum of 10 minutes of measurement per period.
- Measurement was conducted at a distance of 10 meters from the noise source.
- Measurement was conducted at a height of 1.5 meters from the ground.
- Measurement was conducted in a quiet area, free from other noise sources.
- Measurement was conducted in a dry area, free from rain or other weather conditions that may affect the results.
- Measurement was conducted in a flat area, free from hills or other terrain features that may affect the results.
- Measurement was conducted in a clear area, free from trees or other obstacles that may affect the results.
- Measurement was conducted in a stable area, free from wind or other atmospheric conditions that may affect the results.

Remarks:

- The noise level was measured at the site of the noise source.
- The noise level was measured at the site of the noise source.
- The noise level was measured at the site of the noise source.
- The noise level was measured at the site of the noise source.
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Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report Number: 3017066-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454502-3
Parameter เลือดตะกอน
Location ในพื้นที่ใกล้หน่วยพักตากุ้ง (GPS 48Q 279462, 1888929)
Measurement Date May 27 - 28, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	ระดับเสียง (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
07:00 AM - 08:00 AM	58.7	57.0	-	55.5	-	-
08:00 AM - 09:00 AM	61.9	55.8	60.7	-	55.0	-
09:00 AM - 10:00 AM	62.5	55.7	61.5	-	54.9	-
10:00 AM - 11:00 AM	55.6	59.1	64.5	-	57.4	-
11:00 AM - 12:00 PM	64.5	56.9	63.1	-	58.3	-
12:00 PM - 01:00 PM	59.4	58.9	55.1	-	58.3	-
01:00 PM - 02:00 PM	59.7	59.2	50.1	-	57.1	-
02:00 PM - 03:00 PM	60.0	56.1	55.5	-	54.4	-
03:00 PM - 04:00 PM	61.0	57.7	58.3	-	52.1	-
04:00 PM - 05:00 PM	61.1	57.1	58.9	-	52.5	-
05:00 PM - 06:00 PM	61.5	57.5	59.3	-	52.5	-
06:00 PM - 07:00 PM	59.8	57.0	56.6	-	52.1	-
07:00 PM - 08:00 PM	58.5	56.0	54.8	-	50.9	-
08:00 PM - 09:00 PM	58.4	55.3	55.5	-	48.0	-
09:00 PM - 10:00 PM	56.7	54.0	53.4	-	46.2	-
10:00 PM - 11:00 PM	55.0	53.4	-	52.0	46.0	-
11:00 PM - 12:00 AM	55.1	52.4	-	58.0	45.4	-
12:00 AM - 01:00 AM	55.4	55.1	-	46.6	49.4	-
01:00 AM - 02:00 AM	59.1	53.0	-	58.0	45.6	-
02:00 AM - 03:00 AM	59.8	55.2	-	51.0	48.6	-
03:00 AM - 04:00 AM	57.8	57.4	-	53.2	47.8	-
04:00 AM - 05:00 AM	56.2	55.6	-	50.3	46.9	-
05:00 AM - 06:00 AM	57.1	53.9	-	49.2	45.8	-
06:00 AM - 07:00 AM	55.2	54.3	-	50.9	45.8	-
07:00 AM - 08:00 AM	55.8	53.8	-	54.9	46.5	-
08:00 AM - 09:00 AM	54.5	53.8	-	60.6	47.9	-
09:00 AM - 10:00 AM	58.6	51.8	-	53.6	45.8	-
10:00 AM - 11:00 AM	58.9	58.2	-	53.6	45.8	-
11:00 AM - 12:00 PM	55.4	54.0	-	55.1	45.0	-
12:00 PM - 01:00 PM	56.1	54.0	-	54.9	46.3	-
01:00 PM - 02:00 PM	55.7	54.2	-	53.4	46.4	-
02:00 PM - 03:00 PM	56.1	53.5	-	55.4	45.1	-
03:00 PM - 04:00 PM	56.3	53.4	-	48.1	45.1	-
04:00 PM - 05:00 PM	56.3	53.7	-	55.1	45.1	-
05:00 PM - 06:00 PM	56.2	54.0	-	55.1	45.4	-
06:00 PM - 07:00 PM	56.2	54.0	-	55.1	45.4	-
07:00 PM - 08:00 PM	56.2	54.0	-	55.1	45.4	-
08:00 PM - 09:00 PM	56.2	54.0	-	55.1	45.4	-
09:00 PM - 10:00 PM	56.2	54.0	-	55.1	45.4	-
10:00 PM - 11:00 PM	56.2	54.0	-	55.1	45.4	-
11:00 PM - 12:00 AM	56.2	54.0	-	55.1	45.4	-
12:00 AM - 01:00 AM	56.2	54.0	-	55.1	45.4	-
01:00 AM - 02:00 AM	56.2	54.0	-	55.1	45.4	-
02:00 AM - 03:00 AM	56.2	54.0	-	55.1	45.4	-
03:00 AM - 04:00 AM	56.2	54.0	-	55.1	45.4	-
04:00 AM - 05:00 AM	56.2	54.0	-	55.1	45.4	-
05:00 AM - 06:00 AM	56.2	54.0	-	55.1	45.4	-
06:00 AM - 07:00 AM	56.2	54.0	-	55.1	45.4	-
07:00 AM - 08:00 AM	56.2	54.0	-	55.1	45.4	-
08:00 AM - 09:00 AM	56.2	54.0	-	55.1	45.4	-
09:00 AM - 10:00 AM	56.2	54.0	-	55.1	45.4	-
10:00 AM - 11:00 AM	56.2	54.0	-	55.1	45.4	-
11:00 AM - 12:00 PM	56.2	54.0	-	55.1	45.4	-
12:00 PM - 01:00 AM	56.2	54.0	-	55.1	45.4	-
01:00 AM - 02:00 AM	56.2	54.0	-	55.1	45.4	-
02:00 AM - 03:00 AM	56.2	54.0	-	55.1	45.4	-
03:00 AM - 04:00 AM	56.2	54.0	-	55.1	45.4	-
04:00 AM - 05:00 AM	56.2	54.0	-	55.1	45.4	-
05:00 AM - 06:00 AM	56.2	54.0	-	55.1	45.4	-
06:00 AM - 07:00 AM	56.2	54.0	-	55.1	45.4	-
07:00 AM - 08:00 AM	56.2	54.0	-	55.1	45.4	-
08:00 AM - 09:00 AM	56.2	54.0	-	55.1	45.4	-
09:00 AM - 10:00 AM	56.2	54.0	-	55.1	45.4	-
10:00 AM - 11:00 AM	56.2	54.0	-	55.1	45.4	-



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report Number: 2017067-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454502-3
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้าพื้นที่โรงงาน (GPS 48Q 279462, 1888929)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangman Natsat
Sound Level Meter : 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
03:25 AM - 03:30 AM	55.7	54.5	-	52.5	43.8	8.7
03:30 AM - 03:35 AM	52.9	51.7	-	50.0	46.4	12.4
03:35 AM - 03:40 AM	58.2	56.1	-	57.0	46.2	10.8
03:40 AM - 03:45 AM	58.0	55.6	-	59.0	44.9	14.1
03:45 AM - 03:50 AM	55.4	54.9	-	48.8	45.9	1.9
03:50 AM - 03:55 AM	54.5	53.2	-	51.6	45.0	6.6
03:55 AM - 04:00 AM	54.3	51.7	-	53.9	44.4	9.4
04:00 AM - 04:05 AM	56.9	55.5	-	57.9	45.3	12.6
04:05 AM - 04:10 AM	56.4	55.4	-	55.5	45.6	4.9
04:10 AM - 04:15 AM	56.5	54.9	-	54.4	46.8	7.6
04:15 AM - 04:20 AM	56.8	54.7	-	55.6	44.7	10.9
04:20 AM - 04:25 AM	57.4	55.0	-	56.7	46.9	3.8
04:25 AM - 04:30 AM	54.1	53.5	-	49.9	45.8	-
04:30 AM - 04:35 AM	53.3	52.4	-	49.0	43.4	5.6
04:35 AM - 04:40 AM	55.6	50.3	-	57.1	41.3	15.8
04:40 AM - 04:45 AM	55.5	53.6	-	54.0	44.6	1.4
04:45 AM - 04:50 AM	57.7	53.0	-	58.9	45.3	13.6
04:50 AM - 04:55 AM	57.8	54.8	-	57.8	42.3	15.5
04:55 AM - 05:00 AM	53.7	53.2	-	50.6	41.7	-
05:00 AM - 05:05 AM	56.6	53.2	-	56.6	44.6	12.0
05:05 AM - 05:10 AM	58.5	54.8	-	59.3	45.4	13.7
05:10 AM - 05:15 AM	57.5	56.2	-	54.6	46.6	6.0
05:15 AM - 05:20 AM	55.8	54.8	-	51.9	47.4	4.5
05:20 AM - 05:25 AM	56.3	54.0	-	55.4	48.0	7.4
05:25 AM - 05:30 AM	58.0	54.3	-	58.6	46.8	11.8
05:30 AM - 05:35 AM	58.4	53.7	-	58.1	48.3	9.8
05:35 AM - 05:40 AM	56.9	55.8	-	53.4	48.3	5.1
05:40 AM - 05:45 AM	55.8	54.2	-	53.7	49.4	4.3
05:45 AM - 05:50 AM	56.3	53.7	-	55.8	46.5	8.9
05:50 AM - 05:55 AM	59.3	54.2	-	60.7	47.9	12.8
05:55 AM - 06:00 AM	58.4	56.6	-	56.7	49.3	7.4
06:00 AM - 06:05 AM	59.1	56.9	55.1	-	51.5	3.6
						5.19

Reference Method :

1. In-house method : STN 06-001 based on ISO 1996-1 : 2016
2. ค่ามาตรฐานเสียงรบกวนจากโรงงาน (ค่าเสียงรบกวนจากโรงงาน) : ระดับเสียง 24 ชั่วโมง ค่ามาตรฐานเสียงรบกวนจากโรงงานตาม พ.ร.บ. 2567

หมายเหตุ :

1. ข้อมูลเสียงรบกวนจากโรงงาน (ค่าเสียงรบกวนจากโรงงาน) : ระดับเสียง 24 ชั่วโมง ค่ามาตรฐานเสียงรบกวนจากโรงงานตาม พ.ร.บ. 2567
2. ข้อมูลเสียงรบกวนจากโรงงาน (ค่าเสียงรบกวนจากโรงงาน) : ระดับเสียง 24 ชั่วโมง ค่ามาตรฐานเสียงรบกวนจากโรงงานตาม พ.ร.บ. 2567
3. ค่า : ค่ามาตรฐานเสียงรบกวนจากโรงงาน (ค่าเสียงรบกวนจากโรงงาน) : ระดับเสียง 24 ชั่วโมง ค่ามาตรฐานเสียงรบกวนจากโรงงานตาม พ.ร.บ. 2567

Approved by

Kasat Phol

Kasat Phol
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report Number: 2017067-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

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Sample No. : 2454502-4
Parameter : เสียงรบกวน
Location : บริเวณใกล้ทางเข้าพื้นที่โรงงาน (GPS 48Q 279462, 1888929)
Measurement Date : May 28 - 29, 2024
Measurement by : Sangman Natsat
Sound Level Meter : 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
07:00 AM - 07:05 AM	58.7	58.3	57.1	-	55.5	1.5
07:05 AM - 07:10 AM	59.0	58.3	59.7	-	53.6	-2.9
07:10 AM - 07:15 AM	61.0	58.5	57.4	-	54.0	2.4
07:15 AM - 07:20 AM	61.3	59.1	57.3	-	54.7	2.6
07:20 AM - 07:25 AM	61.3	58.1	58.5	-	53.5	5.0
07:25 AM - 07:30 AM	59.4	58.3	52.9	-	53.6	-0.7
07:30 AM - 07:35 AM	60.8	58.6	56.8	-	54.8	2.0
07:35 AM - 07:40 AM	60.4	58.6	55.7	-	54.5	1.3
07:40 AM - 07:45 AM	63.4	60.2	60.6	-	55.8	4.8
07:45 PM - 07:50 PM	62.1	60.5	57.0	-	56.1	0.9
07:50 PM - 07:55 PM	60.6	59.1	55.3	-	55.1	0.3
07:55 PM - 08:00 PM	60.8	58.2	55.3	-	53.7	1.6
08:00 PM - 08:05 PM	59.4	57.2	55.4	-	53.2	2.2
08:05 PM - 08:10 PM	59.8	57.4	56.1	-	52.6	2.5
08:10 PM - 08:15 PM	59.4	56.4	56.8	-	53.6	6.2
08:15 PM - 08:20 PM	56.1	56.0	-	42.7	49.7	-7.0
08:20 PM - 08:25 PM	56.8	53.8	-	56.8	46.4	10.4
08:25 PM - 08:30 PM	57.6	54.5	-	57.7	47.2	10.5
08:30 PM - 08:35 PM	58.8	55.6	-	59.0	49.9	9.1
08:35 PM - 08:40 PM	57.6	56.6	-	53.7	49.9	1.8
08:40 PM - 08:45 PM	56.1	54.8	-	53.2	48.3	4.9
08:45 PM - 08:50 PM	57.1	54.0	-	58.5	48.4	10.1
08:50 PM - 08:55 PM	58.2	54.9	-	58.5	48.6	9.9
08:55 PM - 09:00 PM	58.4	55.5	-	58.7	49.8	8.9
09:00 PM - 09:05 PM	57.8	54.2	-	57.4	51.0	16.5
09:05 PM - 09:10 PM	57.0	54.2	-	56.8	48.4	8.4
09:10 PM - 09:15 PM	59.1	53.7	-	60.6	49.3	11.3
09:15 PM - 09:20 PM	57.4	54.6	-	58.8	47.9	10.4
09:20 PM - 09:25 PM	59.3	55.8	-	60.1	49.4	10.7
09:25 PM - 09:30 PM	57.1	56.0	-	53.6	50.8	2.8
09:30 PM - 09:35 PM	59.3	54.7	-	60.8	48.2	12.6
09:35 PM - 09:40 PM	56.8	49.6	-	48.6	45.2	-5.2
09:40 PM - 09:45 PM	59.4	54.8	-	60.6	49.2	11.4
09:45 PM - 09:50 PM	55.3	53.7	-	49.4	48.0	-1.4
09:50 PM - 09:55 PM	56.3	52.7	-	54.8	45.7	10.8
09:55 PM - 10:00 PM	56.6	53.7	-	55.5	46.6	9.9
10:00 PM - 10:05 PM	53.4	54.3	-	49.4	46.6	-
10:05 PM - 10:10 PM	54.8	51.6	-	55.0	48.5	9.9
10:10 PM - 10:15 PM	54.8	52.8	-	50.8	45.3	5.5
10:15 PM - 10:20 AM	51.4	-	52.2	45.7	45.7	11.5

Approved by

Kasat Phol

Kasat Phol
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report Number : 3017068-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EJA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454502-5
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่หน้าอาคารโรงงาน (GPS 48Q 279462, 1088929)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ระดับเสียง (dB(A))		เสียงรบกวนโดยประมาณ	ค่าเฉลี่ย	ค่ามาตรฐาน
			กลางวัน	กลางคืน			
07:00 AM - 08:00 AM	61.2	60.7	51.5	-	56.6	-	5.0
08:00 AM - 09:00 AM	61.0	60.5	51.4	-	56.0	-	4.6
09:00 AM - 10:00 AM	60.3	61.6	51.9	-	56.5	-	5.1
10:00 AM - 11:00 AM	62.7	58.4	60.7	-	54.6	6.3	5.0
11:00 AM - 12:00 PM	61.2	58.5	57.9	-	52.2	4.7	4.8
12:00 PM - 01:00 PM	61.0	57.6	56.3	-	52.7	5.5	4.8
01:00 PM - 02:00 PM	60.5	58.2	56.4	-	54.3	2.1	4.8
02:00 PM - 03:00 PM	61.5	58.6	58.4	-	54.4	4.0	4.8
03:00 PM - 04:00 PM	61.1	58.8	57.2	-	54.4	2.8	4.8
04:00 PM - 05:00 PM	61.6	59.1	57.9	-	55.5	0.7	4.8
05:00 PM - 06:00 PM	64.3	60.7	61.8	-	55.8	6.0	4.8
06:00 PM - 07:00 PM	61.1	60.0	54.6	-	54.3	0.3	4.8
07:00 PM - 08:00 PM	60.3	58.4	53.8	-	53.4	2.4	4.8
08:00 PM - 09:00 PM	58.1	58.1	51.1	-	52.5	8.6	4.8
09:00 PM - 10:00 PM	58.1	55.9	54.1	-	49.7	4.4	4.8
10:00 PM - 10:55 PM	57.6	59.0	-	52.1	-	-	-
10:55 PM - 11:00 PM	56.7	54.8	-	52.2	52.3	4.9	-
11:00 PM - 11:05 PM	56.5	55.0	-	54.2	49.1	5.1	-
11:05 PM - 11:10 PM	56.6	55.0	-	54.5	49.4	5.1	-
11:10 PM - 11:15 PM	56.3	55.1	-	56.5	48.5	5.6	-
11:15 PM - 11:20 PM	56.3	57.3	-	53.4	50.4	2.0	-
11:20 PM - 11:25 PM	59.0	55.8	-	59.2	51.1	8.3	-
11:25 PM - 11:30 PM	58.5	56.3	-	57.5	49.2	8.1	-
11:30 PM - 11:35 PM	57.4	56.7	-	52.8	52.1	2.5	-
11:35 PM - 11:40 PM	57.8	54.7	-	57.9	49.3	8.6	-
11:40 PM - 11:45 PM	57.5	55.9	-	55.4	48.0	7.4	-
11:45 PM - 11:50 PM	56.9	56.3	-	53.4	49.6	5.5	-
11:50 PM - 11:55 PM	56.0	54.8	-	52.8	49.7	2.1	-
11:55 PM - 12:00 AM	58.3	54.4	-	59.0	47.3	11.7	-
12:00 AM - 12:05 AM	55.4	54.2	-	52.3	46.2	5.7	-
12:05 AM - 12:10 AM	54.7	52.2	-	54.1	45.4	9.7	-
12:10 AM - 12:15 AM	54.2	51.7	-	53.6	44.4	9.2	-
12:15 AM - 12:20 AM	55.5	51.4	-	56.4	46.2	10.1	-
12:20 AM - 12:25 AM	54.0	52.8	-	50.8	42.7	4.7	-
12:25 AM - 12:30 AM	55.9	51.3	-	57.1	44.1	13.0	-
12:30 AM - 12:35 AM	57.2	53.8	-	60.7	45.7	15.8	-
12:35 AM - 12:40 AM	56.7	56.3	-	56.9	48.2	-	-
12:40 AM - 12:45 AM	56.4	53.4	-	58.5	44.6	13.9	-
12:45 AM - 12:50 AM	55.6	54.3	-	52.7	46.2	6.4	-
12:50 AM - 12:55 AM	55.0	52.7	-	56.3	42.6	13.7	-

The above results are valid only for the analytical period specified as indicated in this report. The results of the report are for information only and are not to be used for any legal or regulatory purposes. The results of the report are not to be used for any legal or regulatory purposes.

Approved by

Kasorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No.1041000012343_EJA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454502-5
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่หน้าอาคารโรงงาน (GPS 48Q 279462, 1088929)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ระดับเสียง (dB(A))		เสียงรบกวนโดยประมาณ	ค่าเฉลี่ย	ค่ามาตรฐาน
			กลางวัน	กลางคืน			
12:55 AM - 1:00 AM	53.6	52.8	-	48.9	43.3	5.6	-
1:00 AM - 1:05 AM	55.5	50.8	-	56.7	41.3	15.4	-
1:05 AM - 1:10 AM	57.4	52.8	-	58.7	44.6	16.1	-
1:10 AM - 1:15 AM	55.6	54.8	-	50.9	44.0	5.9	-
1:15 AM - 1:20 AM	57.5	52.4	-	58.9	44.1	14.8	-
1:20 AM - 1:25 AM	66.4	54.5	-	63.4	43.9	15.5	-
1:25 AM - 1:30 AM	55.7	57.5	-	50.9	41.3	-	-
1:30 AM - 1:35 AM	54.5	58.5	-	55.3	41.1	12.2	-
1:35 AM - 1:40 AM	55.0	57.6	-	55.3	42.4	11.9	-
1:40 AM - 1:45 AM	54.7	57.6	-	54.7	43.7	2.0	-
1:45 AM - 1:50 AM	54.9	52.1	-	54.7	46.4	8.3	-
1:50 AM - 1:55 AM	57.5	51.7	-	59.2	47.2	12.0	-
1:55 AM - 2:00 AM	55.2	52.3	-	56.3	47.4	11.9	-
2:00 AM - 2:05 AM	57.7	52.3	-	59.3	47.4	11.9	-
2:05 AM - 2:10 AM	56.2	55.0	-	53.0	47.9	5.1	-
2:10 AM - 2:15 AM	57.6	52.3	-	58.6	47.9	10.7	-
2:15 AM - 2:20 AM	57.7	54.8	-	61.0	46.9	16.1	-
2:20 AM - 2:25 AM	60.2	51.6	-	62.6	46.7	15.9	-
2:25 AM - 2:30 AM	61.0	56.7	-	62.0	48.2	13.8	-
2:30 AM - 2:35 AM	53.9	57.2	-	49.8	45.8	-	-
2:35 AM - 2:40 AM	56.1	50.1	-	57.8	43.7	16.1	-
2:40 AM - 2:45 AM	54.9	50.4	-	56.0	41.8	14.2	-
2:45 AM - 2:50 AM	54.0	51.2	-	57.3	41.5	11.9	-
2:50 AM - 2:55 AM	56.8	53.0	-	60.5	45.1	15.4	-
2:55 AM - 3:00 AM	53.2	56.6	-	50.9	48.6	-	-
3:00 AM - 3:05 AM	55.5	49.0	-	57.4	43.0	15.4	-
3:05 AM - 3:10 AM	55.1	52.3	-	54.6	45.2	3.1	-
3:10 AM - 3:15 AM	55.1	52.4	-	54.8	43.9	18.9	-
3:15 AM - 3:20 AM	55.6	52.4	-	55.8	46.2	9.6	-
3:20 AM - 3:25 AM	56.7	52.7	-	56.8	44.4	11.6	-
3:25 AM - 3:30 AM	54.9	53.4	-	52.6	45.6	7.0	-
3:30 AM - 3:35 AM	54.0	52.5	-	51.7	44.6	7.1	-
3:35 AM - 3:40 AM	55.8	50.5	-	52.7	43.7	13.8	-
3:40 AM - 3:45 AM	54.8	51.6	-	57.0	46.8	10.2	-
3:45 AM - 3:50 AM	58.5	54.3	-	59.4	46.3	13.1	-
3:50 AM - 3:55 AM	54.2	53.2	-	50.3	44.3	6.0	-
3:55 AM - 4:00 AM	54.4	51.4	-	54.2	44.2	18.8	-
4:00 AM - 4:05 AM	55.3	52.0	-	55.6	44.4	11.2	-
4:05 AM - 4:10 AM	54.1	53.6	-	47.5	46.2	1.7	-
4:10 AM - 4:15 AM	54.5	50.7	-	55.7	44.9	10.3	-

The above results are valid only for the analytical period specified as indicated in this report. The results of the report are for information only and are not to be used for any legal or regulatory purposes. The results of the report are not to be used for any legal or regulatory purposes.

Approved by

Kasorn Anet
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454502
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report Number : 3017068-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EJA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454502-5
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่หน้าอาคารโรงงาน (GPS 48Q 279462, 1088929)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173614

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ระดับเสียง (dB(A))		เสียงรบกวนโดยประมาณ	ค่าเฉลี่ย	ค่ามาตรฐาน
			กลางวัน	กลางคืน			
07:00 AM - 08:00 AM	54.4	52.3	-	48.5	43.3	5.7	-
08:00 AM - 09:00 AM	54.1	52.4	-	52.2	45.0	7.2	-
09:00 AM - 10:00 AM	56.0	51.1	-	53.9	45.9	7.9	-
10:00 AM - 11:00 AM	55.5	51.7	-	57.1	43.1	14.0	-
11:00 AM - 12:00 PM	56.4	52.6	-	50.7	44.9	2.4	-
12:00 PM - 01:00 PM	54.9	54.5	-	51.9	42.6	14.1	-
01:00 PM - 02:00 PM	54.0	52.4	-	50.7	42.9	13.4	-
02:00 PM - 03:00 PM	55.4	50.6	-	52.3	43.8	10.6	-
03:00 PM - 04:00 PM	56.6	50.8	-	50.9	42.4	14.0	-
04:00 PM - 05:00 PM	55.7	53.5	-	54.7	44.1	10.6	-
05:00 PM - 06:00 PM	56.0	54.1	-	56.7	46.5	12.2	-
06:00 PM - 07:00 PM	56.5	54.9	-	54.4	47.4	7.0	-
07:00 AM - 08:00 AM	54.5	54.4	-	41.1	42.0	-5.9	-
08:00 AM - 09:00 AM	56.2	52.0	-	57.1	45.5	11.6	-
09:00 AM - 10:00 AM	57.0	54.0	-	57.0	46.8	10.2	-
10:00 AM - 11:00 AM	56.3	56.7	-	54.2	46.1	8.1	-
11:00 AM - 12:00 PM	57.5	55.2	-	56.6	48.0	8.6	-
12:00 PM - 01:00 PM	57.5	55.7	-	55.8	47.9	2.9	-
01:00 PM - 02:00 PM	58.2	54.7	-	58.6	46.7	13.9	-
02:00 PM - 03:00 PM	56.8	55.1	-	54.9	47.7	7.2	-
03:00 PM - 04:00 PM	58.1	54.7	-	58.4	47.8	10.6	-
04:00 PM - 05:00 PM	57.5	55.5	-	55.2	47.1	8.1	-
05:00 AM - 06:00 PM	59.3	55.9	-	59.8	49.4	10.2	-
06:00 AM - 07:00 PM	58.0	56.4	-	55.9	50.0	5.9	-
07:00 AM - 08:00 AM	57.9	56.3	-	55.6	49.6	6.2	-
08:00 AM - 09:00 AM	56.8	56.1	-	51.5	51.9	0.5	-
09:00 AM - 10:00 PM	58.6	54.6	-	59.4	48.7	10.7	-
10:00 AM - 11:00 AM	58.5	56.8	-	56.6	50.3	6.3	-
11:00 AM - 12:00 PM	59.5	56.4	-	57.6	50.6	6.0	-
12:00 AM - 01:00 PM	60.4	56.4	-	57.6	52.3	2.8	-
01:00 AM - 02:00 PM	56.4	56.1	-	53.3	45.3	13.7	-
02:00 AM - 03:00 PM	56.4	56.1	-	53.3	45.3	13.7	-

Reference Method :
1. In-house method : STM 04-011 based on ISO 1996-1:2016
2. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
3. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
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10. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
11. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
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13. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
14. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
15. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
16. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
17. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
18. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
19. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
20. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
21. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
22. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
23. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
24. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
25. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
26. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
27. การวัดเสียงรบกวนตามวิธีมาตรฐาน (ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ) 24 ชั่วโมง การวัดเสียงรบกวนโดยปราศจากการรบกวนจากภายนอก
28



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 2 of 3

Lot ID: 2454502
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report Number : 3017069-1

Sample No. 2454502-6
Parameter เสียงรบกวน
Location ตำบลหนองน้ำร้อน/ตำบลนาซาว (GPS 40Q 279462, 1888929)
Measurement Date May 30 - 31, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 01173614

พลาซีส (dB(A))						
เวลา	เสียงจาก แหล่งกำเนิด	เสียงรบกวน ใกล้เคียง	เสียงรบกวนจากโรงงาน		เสียงรบกวน รวม	ค่าเฉลี่ย รวม
			ค่าจริง	ค่าเฉลี่ย		
12:05 AM - 12:10 AM	54.3	53.7	-	48.4	47.1	1.7
12:10 AM - 12:15 AM	55.2	52.2	-	55.2	44.3	10.9
12:15 AM - 12:20 AM	59.0	53.8	-	53.8	47.5	8.2
12:20 AM - 12:25 AM	53.7	53.9	-	51.8	44.6	7.4
12:25 AM - 12:30 AM	55.6	52.6	-	55.6	42.0	13.6
12:30 AM - 12:35 AM	55.6	52.8	-	55.4	44.9	10.5
12:35 AM - 12:40 AM	55.6	52.8	-	55.4	46.4	10.0
12:40 AM - 12:45 AM	53.1	54.3	-	55.9	43.6	5.4
12:45 AM - 12:50 AM	54.4	53.3	-	55.9	45.5	5.4
12:50 AM - 12:55 AM	56.3	53.3	-	57.1	44.7	12.4
12:55 AM - 01:00 AM	57.4	53.2	-	51.4	48.4	8.0
01:00 AM - 01:05 AM	53.8	53.2	-	49.5	44.2	3.7
01:05 AM - 01:10 AM	56.9	54.0	-	56.8	46.0	10.8
01:10 AM - 01:15 AM	53.6	53.9	-	53.7	44.6	8.2
01:15 AM - 01:20 AM	49.8	55.4	-	59.1	45.1	25.0
01:20 AM - 01:25 AM	57.5	54.6	-	59.9	45.9	-
01:25 AM - 01:30 AM	53.0	53.6	-	55.4	45.1	0.3
01:30 AM - 01:35 AM	56.7	51.4	-	59.2	42.8	13.4
01:35 AM - 01:40 AM	54.6	54.3	-	45.8	45.7	0.1
01:40 AM - 01:45 AM	51.5	50.4	-	48.4	42.1	6.3
01:45 AM - 01:50 AM	55.6	50.9	-	60.1	42.0	18.1
01:50 AM - 01:55 AM	54.0	56.1	-	n/a	43.2	-
01:55 AM - 02:00 AM	56.9	53.5	-	57.2	44.1	13.1
02:00 AM - 02:05 AM	57.9	53.9	-	55.6	48.7	7.9
02:05 AM - 02:10 AM	54.7	53.9	-	51.0	43.6	7.4
02:10 AM - 02:15 AM	57.6	53.9	-	58.8	44.3	5.4
02:15 AM - 02:20 AM	54.4	55.8	-	n/a	47.1	-
02:20 AM - 02:25 AM	60.0	56.6	-	62.3	41.1	13.2
02:25 AM - 02:30 AM	56.3	53.8	-	56.5	44.7	11.8
02:30 AM - 02:35 AM	54.0	53.8	-	52.7	44.9	7.8
02:35 AM - 02:40 AM	55.2	52.9	-	54.3	44.2	10.1
02:40 AM - 02:45 AM	56.0	55.8	-	52.1	45.1	10.9
02:45 AM - 02:50 AM	62.9	53.8	-	55.4	46.1	19.3
02:50 AM - 02:55 AM	56.3	43.6	-	n/a	49.8	-
02:55 AM - 03:00 AM	55.8	53.8	-	54.9	46.6	10.3
03:00 AM - 03:05 AM	55.4	53.4	-	54.1	46.4	7.7
03:05 AM - 03:10 AM	54.8	53.2	-	52.7	46.3	6.4
03:10 AM - 03:15 AM	60.4	56.8	-	58.3	48.2	20.8
03:15 AM - 03:20 AM	56.1	53.8	-	55.2	46.5	6.7
03:20 AM - 03:25 AM	51.4	53.7	-	56.1	46.5	9.6

The above results are valid for the specified test conditions as indicated in this report. If the test conditions are not as specified, the results may be affected. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the results if the test conditions are not as specified.

Approved by

Kanokorn Anek
Senior Manager

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Thel San Lueang, Bangkok 10250 Thailand (T+66 0 2760 3000 F+66 0 2760 3197)
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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Page 3 of 3

Lot ID: 2454502
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report Number : 3017069-1

Sample No. 2454502-6
Parameter เสียงรบกวน
Location ตำบลหนองน้ำร้อน/ตำบลนาซาว (GPS 40Q 279462, 1888929)
Measurement Date May 30 - 31, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 01173614

ข้อมูลเบื้องต้น (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากโรงงาน		ค่าเฉลี่ย ถ่วงน้ำหนัก	
			กลางคืน	กลางวัน		
03:25 AM - 03:30 AM	55.9	54.2	-	54.0	45.3	8.7
03:30 AM - 03:35 AM	56.0	54.5	-	52.7	47.3	6.4
03:35 AM - 03:40 AM	57.0	54.6	-	55.8	48.2	2.6
03:40 AM - 03:45 AM	53.8	54.8	-	52.6	44.3	8.3
03:45 AM - 03:50 AM	55.7	53.3	-	55.0	44.1	10.9
03:50 AM - 03:55 AM	56.2	52.9	-	56.5	42.3	14.2
03:55 AM - 04:00 AM	55.6	54.5	-	52.1	45.9	4.7
04:00 AM - 04:05 AM	56.2	53.8	-	55.5	45.1	19.3
04:05 AM - 04:10 AM	57.0	54.6	-	56.3	42.8	8.5
04:10 AM - 04:15 AM	56.8	54.4	-	56.1	46.5	9.6
04:15 AM - 04:20 AM	57.0	55.6	-	54.4	46.6	7.6
04:20 AM - 04:25 AM	57.9	55.1	-	57.7	47.7	10.9
04:25 AM - 04:30 AM	58.5	56.5	-	57.7	50.3	6.9
04:30 AM - 04:35 AM	57.9	56.8	-	54.4	50.9	2.5
04:35 AM - 04:40 AM	55.9	53.2	-	55.6	45.1	10.5
04:40 AM - 04:45 AM	57.4	55.5	-	55.9	48.3	2.6
04:45 AM - 04:50 AM	56.9	55.1	-	55.2	49.3	5.9
04:50 AM - 04:55 AM	56.1	55.4	-	57.8	47.1	18.7
04:55 AM - 05:00 AM	58.9	57.4	-	56.6	49.9	6.7
05:00 AM - 05:05 AM	58.5	58.0	-	57.9	50.8	2.3
05:05 AM - 05:10 AM	58.0	56.6	-	55.4	49.9	5.5
05:10 AM - 05:15 AM	56.8	55.2	-	54.7	48.5	5.8
05:15 AM - 05:20 AM	61.2	59.6	-	59.1	51.9	7.8
05:20 AM - 05:25 AM	58.7	56.8	-	58.4	50.2	8.6
05:25 AM - 05:30 AM	58.1	56.3	-	56.6	48.6	8.6
05:30 AM - 05:35 AM	58.7	57.0	-	55.0	51.9	3.1
05:35 AM - 05:40 AM	56.2	53.3	-	56.1	47.9	8.2
05:40 AM - 05:45 AM	57.0	55.4	-	57.2	52.0	6.9
05:45 AM - 05:50 AM	57.3	56.5	-	56.6	49.0	3.6
05:50 AM - 05:55 AM	58.5	56.7	-	57.0	51.6	5.4
05:55 AM - 06:00 AM	60.9	58.7	-	59.9	52.6	7.6
06:00 AM - 07:00 AM	62.0	58.0	55.2	-	52.8	2.9

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454592
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report Number : 3017070-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454592-7
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่ปลูกข้าวโพด (GPS 48Q 27962, 1886329)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sangman Natasat
Sound Level Meter : 01171614

เวลา	เสียงจาก แหล่งกำเนิด	เสียงรบกวน ปกติจากชุมชน	เสียงรบกวนจากกิจกรรมการ		เสียงรบกวน	ค่ารวม
			กลางวัน	กลางคืน		
07:21 AM - 07:30 AM	57.0	54.1	-	56.9	45.3	11.6
07:30 AM - 07:35 AM	57.1	54.7	-	56.4	42.7	8.6
07:35 AM - 07:45 AM	56.5	53.2	-	57.8	48.2	9.6
07:40 AM - 07:45 AM	58.0	53.7	-	56.3	44.3	12.8
07:45 AM - 07:50 AM	60.1	54.2	-	51.8	44.1	17.2
07:50 AM - 07:55 AM	58.1	57.2	-	54.2	42.3	11.9
07:55 AM - 08:00 AM	56.7	55.0	-	54.8	45.9	8.8
08:00 AM - 08:05 AM	55.9	52.5	-	56.2	45.2	11.0
08:05 AM - 08:10 AM	55.9	52.1	-	56.4	47.8	8.6
08:10 AM - 08:15 AM	55.4	53.3	-	54.2	46.5	7.7
08:15 AM - 08:20 AM	57.8	55.6	-	56.8	48.9	12.0
08:20 AM - 08:25 AM	56.3	53.9	-	56.0	47.7	8.2
08:25 AM - 08:30 AM	58.3	55.1	-	56.5	52.3	8.2
08:30 AM - 08:35 AM	58.3	55.9	-	56.5	50.9	6.7
08:35 AM - 08:40 AM	58.2	55.4	-	56.0	45.1	12.9
08:40 AM - 08:45 AM	56.5	54.1	-	55.8	48.7	2.5
08:45 AM - 08:50 AM	58.2	55.2	-	58.2	49.3	8.9
08:50 AM - 08:55 AM	58.4	56.2	-	57.4	47.1	18.3
08:55 AM - 09:00 AM	58.2	55.3	-	58.1	49.9	8.3
08:55 AM - 09:05 AM	57.8	55.6	-	58.8	50.8	6.0
09:05 AM - 09:10 AM	60.6	58.1	-	60.0	49.9	18.1
09:10 AM - 09:15 AM	58.4	55.7	-	58.1	48.9	8.2
09:15 AM - 09:20 AM	57.9	56.2	-	56.0	51.9	4.3
09:20 AM - 09:25 AM	58.6	55.2	-	58.9	50.2	8.7
09:25 AM - 09:30 AM	58.8	57.3	-	57.2	49.6	10.6
09:30 AM - 09:35 AM	58.5	55.5	-	58.5	51.6	6.6
09:35 AM - 09:40 AM	57.2	56.4	-	52.5	47.9	4.6
09:40 AM - 09:45 AM	59.2	56.2	-	57.7	52.0	5.7
09:45 AM - 09:50 AM	58.2	56.3	-	55.9	49.0	7.3
09:50 AM - 09:55 AM	60.0	57.9	-	60.0	50.0	8.4
09:55 AM - 09:00 AM	60.2	57.8	-	59.5	52.3	7.3
06:00 AM - 07:00 AM	61.0	59.0	54.7	-	52.8	3.9



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report Number : 1017235-1

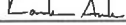
P/O : 4210055772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-2
Parameter : เสียงรบกวน
Location : ตำบลนาโพธิ์ทอง/นาโพธิ์ (GPS 48Q 279216, 1886633)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangwan Natsai
Sound Level Meter : 00371914

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากการคำนวณ		เสียงพื้นฐาน	ค่าเฉลี่ย
			ค่าเสียง	ค่าเสียง		ค่าเสียง
07:00 AM - 08:00 AM	58.0	52.6	56.5	-	48.0	8.5
08:00 AM - 09:00 AM	59.6	51.1	58.9	-	46.9	12.0
09:00 AM - 10:00 AM	59.1	50.3	58.9	-	46.6	13.9
10:00 AM - 11:00 AM	55.9	50.6	54.4	-	46.7	7.7
11:00 AM - 12:00 PM	56.3	50.4	54.9	-	47.3	7.6
12:00 PM - 01:00 PM	51.3	49.1	47.3	-	45.5	5.8
01:00 PM - 02:00 PM	58.6	50.4	59.3	-	46.7	12.6
02:00 PM - 03:00 PM	58.1	49.3	57.5	-	46.5	11.0
03:00 PM - 04:00 PM	59.1	50.1	56.5	-	45.9	12.6
04:00 PM - 05:00 PM	53.7	48.0	50.9	-	45.9	8.1
05:00 PM - 06:00 PM	55.0	49.4	53.2	-	46.8	8.4
06:00 PM - 07:00 PM	54.0	51.8	40.5	-	47.6	6.4
07:00 PM - 08:00 PM	53.5	51.0	49.9	-	48.2	5.7
08:00 PM - 09:00 PM	54.3	49.3	52.5	-	47.7	6.8
09:00 PM - 10:00 PM	53.9	47.9	52.6	-	46.0	8.6
10:00 PM - 10:55 PM	51.8	47.3	-	32.9	45.6	7.3
10:55 PM - 11:30 PM	51.3	46.5	-	53.0	44.9	16.4
11:30 PM - 11:55 PM	51.9	46.1	-	53.6	44.1	9.5
11:55 PM - 12:00 AM	52.5	45.9	-	55.7	44.5	11.2
12:00 AM - 12:05 PM	50.9	46.2	-	53.1	43.0	7.1
12:05 PM - 12:30 PM	53.2	46.5	-	53.2	43.2	18.0
12:30 PM - 12:35 PM	52.0	47.8	-	52.9	43.7	7.2
12:35 PM - 12:40 PM	51.3	46.7	-	52.5	43.7	6.8
12:40 PM - 12:45 PM	52.6	45.0	-	50.8	43.7	9.7
12:45 PM - 12:50 PM	50.6	45.8	-	50.6	43.4	5.4
12:50 PM - 12:55 PM	49.8	45.8	-	50.6	43.2	5.4
12:55 PM - 1:00 PM	53.1	46.7	-	50.8	43.7	9.3
1:00 PM - 1:05 PM	51.9	46.1	-	56.8	46.0	10.8
1:05 PM - 1:10 PM	50.9	48.4	-	50.3	46.4	3.9
1:10 PM - 1:15 PM	49.4	47.8	-	47.3	46.3	3.0
1:15 PM - 1:20 PM	50.3	47.8	-	45.4	45.8	4.8
1:20 PM - 1:25 PM	51.0	47.3	-	51.6	46.0	5.6
1:25 PM - 1:30 PM	49.7	47.1	-	49.2	45.7	3.5
1:30 PM - 1:35 PM	52.3	46.6	-	52.3	45.7	8.5
1:35 PM - 1:40 PM	49.3	47.3	-	48.0	46.0	2.0
1:40 PM - 1:45 PM	49.6	47.8	-	48.7	46.9	2.7
1:45 PM - 1:50 PM	50.2	45.9	-	51.2	44.7	5.5
1:50 PM - 1:55 PM	51.1	45.1	-	50.3	44.1	8.9
1:55 PM - 2:00 PM	49.5	46.6	-	49.4	44.6	4.8
2:00 AM - 12:05 AM	50.6	47.1	-	53.0	44.8	8.2

The data results are valid only for the specified test period as indicated in this report. The data is not valid for any other use or interpretation without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. warrants that this report is not misused or abused in any way.

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report Number : 1017235-1


P/O : 4210055772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-2
Parameter : เสียงรบกวน
Location : ตำบลนาโพธิ์ทอง/นาโพธิ์ (GPS 48Q 279216, 1886633)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangwan Natsai
Sound Level Meter : 00371914

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากการคำนวณ		เสียงพื้นฐาน	ค่าเฉลี่ย
			ค่าเสียง	ค่าเสียง		ค่าเสียง
12:05 AM - 12:10 AM	49.7	46.3	-	50.0	44.8	5.2
12:10 AM - 12:15 AM	49.2	44.8	-	50.2	44.0	6.2
12:15 AM - 12:20 AM	49.5	45.8	-	50.1	43.9	6.3
12:20 AM - 12:25 AM	51.0	45.4	-	52.6	44.1	6.5
12:25 AM - 12:30 AM	51.0	46.3	-	52.2	45.3	6.9
12:30 AM - 12:35 AM	52.2	46.0	-	54.0	45.4	8.6
12:35 AM - 12:40 AM	52.9	46.7	-	54.7	45.7	9.0
12:40 AM - 12:45 AM	51.4	45.5	-	53.1	44.3	8.8
12:45 AM - 12:50 AM	51.8	44.7	-	53.9	43.8	10.1
12:50 AM - 12:55 AM	52.0	45.3	-	54.9	43.9	10.3
12:55 AM - 01:00 AM	50.5	46.2	-	51.5	43.3	7.2
01:00 AM - 01:05 AM	50.1	43.9	-	51.9	43.0	8.9
01:05 AM - 01:10 AM	51.3	44.3	-	53.3	43.3	10.8
01:10 AM - 01:15 AM	50.0	44.8	-	51.4	43.7	7.7
01:15 AM - 01:20 AM	49.3	45.7	-	49.8	44.3	5.0
01:20 AM - 01:25 AM	49.7	45.2	-	50.8	43.3	7.5
01:25 AM - 01:30 AM	49.0	45.0	-	49.8	43.9	5.9
01:30 AM - 01:35 AM	48.0	45.5	-	47.4	44.5	2.9
01:35 AM - 01:40 AM	49.6	45.0	-	50.3	44.5	5.8
01:40 AM - 01:45 AM	48.6	45.8	-	48.8	44.5	4.3
01:45 AM - 01:50 AM	47.7	47.8	-	54.3	45.4	8.9
01:50 AM - 01:55 AM	50.0	49.4	-	44.1	46.1	0.2
01:55 AM - 02:00 AM	50.2	48.0	-	49.2	45.0	4.2
02:00 AM - 02:05 AM	51.3	45.7	-	52.9	46.6	8.3
02:05 AM - 02:10 AM	50.1	46.1	-	50.9	44.2	6.7
02:10 AM - 02:15 AM	50.7	45.0	-	52.3	43.5	8.8
02:15 AM - 02:20 AM	50.6	45.7	-	51.9	43.6	8.3
02:20 AM - 02:25 AM	49.7	45.3	-	50.7	43.7	7.0
02:25 AM - 02:30 AM	51.5	45.4	-	52.3	44.0	9.3
02:30 AM - 02:35 AM	50.6	45.9	-	51.8	44.2	7.6
02:35 AM - 02:40 AM	51.4	45.6	-	52.1	43.8	8.1
02:40 AM - 02:45 AM	50.0	46.4	-	50.5	45.3	5.2
02:45 AM - 02:50 AM	50.9	47.2	-	51.5	45.4	6.1
02:50 AM - 02:55 AM	47.5	46.2	-	44.6	46.0	0.3
02:55 AM - 03:00 AM	49.5	45.7	-	50.2	44.5	5.7
03:00 AM - 03:05 AM	49.2	45.9	-	49.5	43.0	6.5
03:05 AM - 03:10 AM	51.8	47.2	-	51.8	45.4	7.6
03:10 AM - 03:15 AM	48.2	46.9	-	45.9	43.5	6.4
03:15 AM - 03:20 AM	49.1	46.6	-	48.5	43.9	2.6
03:20 AM - 03:25 AM	50.8	46.7	-	51.7	45.5	6.2

The data results are valid only for the specified test period as indicated in this report. The data is not valid for any other use or interpretation without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. warrants that this report is not misused or abused in any way.

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaphapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report Number : 1017235-1

P/O : 4210055772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

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Sample No. 2454490-2
Parameter : เสียงรบกวน
Location : ตำบลนาโพธิ์ทอง/นาโพธิ์ (GPS 48Q 279216, 1886633)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangwan Natsai
Sound Level Meter : 00371914

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	พหุคูณเสียง (dB(A))		เสียงรบกวนโดยประมาณ	เสียงพื้นฐาน	ค่าเฉลี่ย
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ค่าเสียง	ค่าเสียง	ค่าเสียง	ค่าเสียง	ค่าเสียง
03:25 AM - 03:30 AM	50.8	46.6	-	51.7	44.7	7.0	
03:30 AM - 03:35 AM	50.6	47.0	-	52.8	44.6	8.2	
03:35 AM - 03:40 AM	51.3	47.3	-	53.4	45.0	5.4	
03:40 AM - 03:45 AM	50.8	46.4	-	51.8	44.8	7.0	
03:45 AM - 03:50 AM	51.1	46.8	-	52.1	44.7	7.9	
03:50 AM - 03:55 AM	49.7	47.8	-	49.4	43.9	5.5	
03:55 AM - 04:00 AM	49.8	47.9	-	48.3	43.6	6.7	
04:00 AM - 04:05 AM	51.3	46.1	-	52.7	43.6	8.1	
04:05 AM - 04:10 AM	49.0	47.9	-	49.9	43.6	6.3	
04:10 AM - 04:15 AM	49.7	45.3	-	50.7	44.0	6.7	
04:15 AM - 04:20 AM	50.8	44.5	-	50.8	44.5	6.3	
04:20 AM - 04:25 AM	50.5	46.3	-	51.4	44.6	6.8	
04:25 AM - 04:30 AM	50.3	46.4	-	51.0	44.9	6.2	
04:30 AM - 04:35 AM	50.6	46.2	-	51.6	44.6	7.0	
04:35 AM - 04:40 AM	50.3	45.7	-	51.5	44.6	6.9	
04:40 AM - 04:45 AM	49.6	45.7	-	50.3	44.6	6.7	
04:45 AM - 04:50 AM	50.5	46.4	-	51.4	43.8	6.4	
04:50 AM - 04:55 AM	51.8	46.2	-	51.0	43.2	7.0	
04:55 AM - 05:00 AM	51.7	45.9	-	51.4	44.5	8.0	
05:00 AM - 05:05 AM	51.7	46.2	-	51.0	43.0	8.9	
05:05 AM - 05:10 AM	52.1	47.0	-	51.9	45.1	9.8	
05:10 AM - 05:15 AM	51.3	47.8	-	54.9	45.2	9.2	
05:15 AM - 05:20 AM	51.8	48.1	-	54.8	45.7	7.1	
05:20 AM - 05:25 AM	52.4	48.3	-	53.4	46.0	7.4	
05:25 AM - 05:30 AM	51.7	49.1	-	51.2	45.7	5.5	
05:30 AM - 05:35 AM	51.7	49.8	-	52.7	46.3	3.9	
05:35 AM - 05:40 AM	51.3	49.7	-	52.4	45.6	6.8	
05:40 AM - 05:45 AM	51.9	47.9	-	51.3	45.3	9.0	
05:45 AM - 05:50 AM	51.9	48.3	-	54.8	46.0	5.8	
05:50 AM - 05:55 AM	51.3	48.1	-	54.8	45.4	7.2	
05:55 AM - 06:00 AM	51.3	47.7	-	51.8	45.6	6.2	
06:00 AM - 07:00 AM	53.4	56.9	47.8	-	50.9	-3.3	



Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017237-1

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Analysis / Test Report

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017238-1

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เวลา	เริ่มทาง แยกสี่แยก	เริ่มทาง วัดสุทัศน์	พลาซ่า (DBA)		เริ่มทาง แยกสี่แยก	ค่าคงที่ การจราจร
			ค่าคงที่	ค่าคงที่		
01:25 AM - 01:30 AM	49.0	46.8	-	48.0	45.7	2.3
01:30 AM - 01:35 AM	49.7	47.4	-	48.6	45.5	3.3
01:35 AM - 01:40 AM	51.4	48.2	-	50.6	44.9	7.7
01:40 AM - 01:45 AM	50.4	47.6	-	50.7	45.4	5.4
01:45 AM - 01:50 AM	50.3	46.7	-	50.8	44.6	6.2
01:50 AM - 01:55 AM	49.5	45.8	-	50.8	44.2	6.6
01:55 AM - 02:00 AM	49.6	45.9	-	50.7	45.3	5.3
04:00 AM - 04:05 AM	49.6	46.7	-	49.5	43.4	4.1
04:05 AM - 04:10 AM	51.5	48.0	-	51.1	45.6	8.1
04:10 AM - 04:15 AM	50.1	47.4	-	49.8	46.1	3.7
04:15 AM - 04:20 AM	51.5	47.4	-	51.4	45.9	6.5
04:20 AM - 04:25 AM	50.9	47.4	-	51.3	46.2	5.1
04:25 AM - 04:30 AM	51.3	48.8	-	51.6	46.4	5.2
04:30 AM - 04:35 AM	51.7	47.9	-	51.8	47.8	2.3
04:35 AM - 04:40 AM	51.1	47.9	-	51.3	46.1	5.2
04:40 AM - 04:45 AM	51.2	47.3	-	49.7	46.2	3.5
04:45 AM - 04:50 AM	52.4	48.6	-	51.1	47.2	5.8
04:50 AM - 04:55 AM	52.1	48.5	-	52.6	47.0	5.6
04:55 AM - 05:00 AM	52.1	48.5	-	52.6	46.6	6.0
05:00 AM - 05:05 AM	51.9	48.3	-	52.4	46.5	5.5
05:05 AM - 05:10 AM	52.2	51.1	-	52.0	48.1	3.9
05:10 AM - 05:15 AM	51.6	50.7	-	52.3	48.7	1.4
05:15 AM - 05:20 AM	51.9	51.5	-	50.3	49.4	6.9
05:20 AM - 05:25 AM	54.6	50.3	-	55.9	48.3	7.6
05:25 AM - 05:30 AM	51.8	50.6	-	54.0	48.9	5.1
05:30 AM - 05:35 AM	51.9	51.0	-	51.8	49.5	2.5
05:35 AM - 05:40 AM	53.5	52.4	-	49.2	48.8	8.4
05:40 AM - 05:45 AM	52.9	52.3	-	49.0	48.4	11.4
05:45 AM - 05:50 AM	53.7	49.6	-	54.6	47.6	7.8
05:50 AM - 05:55 AM	52.7	52.7	-	50.0	48.3	7.0
05:55 AM - 06:00 AM	54.8	51.2	-	61.2	48.7	12.5
06:00 AM - 07:00 AM	56.4	56.4	N/A	-	50.1	-

Reference Method :
 1. In-house method : STH 06-001 based on ISO 1993-1 : 2016
 2. มีเอกสารประกอบวิธีการ (เป็นภาษาไทย) และผลการประเมินค่าความคลาดเคลื่อน 24 ชั่วโมง และผลการทดสอบซ้ำภายในห้อง
 หมายเหตุ :
 1. ข้อมูลผลการทดสอบ (เป็นภาษาไทย) สามารถดาวน์โหลดได้จากเว็บไซต์ของกรมวิทยาศาสตร์สาธารณสุขที่ : www.dhs.go.th หรือ โทร. 2554
 2. มีเอกสารประกอบวิธีการ (เป็นภาษาอังกฤษ) และผลการประเมินค่าความคลาดเคลื่อน 24 ชั่วโมง และผลการทดสอบซ้ำภายในห้อง
 Remark :
 1. ข้อมูลผลการทดสอบ (เป็นภาษาไทย) สามารถดาวน์โหลดได้จากเว็บไซต์ของกรมวิทยาศาสตร์สาธารณสุขที่ : www.dhs.go.th หรือ โทร. 2554
 2. ข้อมูลผลการทดสอบ (เป็นภาษาอังกฤษ) สามารถดาวน์โหลดได้จากเว็บไซต์ของกรมวิทยาศาสตร์สาธารณสุขที่ : www.dhs.go.th หรือ โทร. 2554
 3. ข้อมูลผลการทดสอบ (เป็นภาษาไทย) สามารถดาวน์โหลดได้จากเว็บไซต์ของกรมวิทยาศาสตร์สาธารณสุขที่ : www.dhs.go.th หรือ โทร. 2554
 4. ข้อมูลผลการทดสอบ (เป็นภาษาอังกฤษ) สามารถดาวน์โหลดได้จากเว็บไซต์ของกรมวิทยาศาสตร์สาธารณสุขที่ : www.dhs.go.th หรือ โทร. 2554

The data results are available for the associated test(s) number(s) as indicated in this report. No part of this report or contents may be reproduced in any form without written consent from The Laboratory. A/S Laboratory Group (Denmark).

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 LABORATORY: CTM (THAI) LTD. CO., LTD. Ag-Air Limited Company

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เวลา	เสียงนก แม่พันธุ์	เสียงนก ลูกโต	ชนิดนก (ชื่อ(A))		เสียงนก แม่พันธุ์	ค่าพิน
			นกตัว	นกตัว		นกตัว
07:00 AM - 08:00 AM	55.3	52.9	51.6	-	50.2	1.4
08:00 AM - 09:00 AM	54.5	50.7	52.7	-	47.8	4.4
09:00 AM - 10:00 AM	54.1	49.2	51.0	-	47.4	1.6
10:00 AM - 11:00 AM	55.8	49.9	51.5	-	47.5	7.0
11:00 AM - 12:00 PM	58.1	49.1	52.5	-	46.8	10.7
12:00 PM - 01:00 PM	58.9	48.3	52.5	-	46.4	4.1
01:00 PM - 02:00 PM	53.1	50.5	50.4	-	47.8	1.8
02:00 PM - 03:00 PM	53.3	53.1	59.8	-	50.7	-10.9
03:00 PM - 04:00 PM	55.2	51.3	53.7	-	48.3	1.4
04:00 PM - 05:00 PM	58.7	51.5	52.9	-	48.8	9.0
05:00 PM - 06:00 PM	54.2	52.7	48.9	-	50.0	-1.1
06:00 PM - 07:00 PM	56.9	52.5	54.9	-	49.8	5.1
07:00 PM - 08:00 PM	53.1	51.4	50.7	-	49.4	0.9
08:00 PM - 09:00 PM	52.9	50.9	52.4	-	51.4	-11.3
09:00 PM - 10:00 PM	52.8	53.3	49.2	-	50.7	-2.5
10:00 PM - 10:55 PM	52.4	49.7	-	51.5	48.1	11.3
10:55 PM - 11:10 PM	50.9	49.3	-	53.7	47.7	4.0
10:55 PM - 11:15 PM	51.7	48.7	-	51.7	46.2	5.0
10:55 PM - 11:20 PM	52.1	47.9	-	53.0	46.7	6.7
10:55 PM - 11:25 PM	52.3	50.5	-	50.6	48.6	2.0
10:55 PM - 11:30 PM	52.5	50.7	-	48.9	49.9	0.9
10:55 PM - 11:35 PM	52.5	51.8	-	49.9	49.9	0.0
10:55 PM - 11:40 PM	52.5	48.0	-	53.6	46.4	7.2
10:55 PM - 11:45 PM	52.7	47.6	-	54.1	46.0	8.1
10:55 PM - 11:50 PM	51.3	51.3	-	41.0	52.1	-8.1
10:55 PM - 11:55 PM	52.4	51.0	-	49.8	49.8	0.0
10:55 PM - 11:00 PM	51.3	51.2	-	37.9	49.9	-12.9
11:00 PM - 11:05 PM	51.7	50.3	-	49.1	47.4	1.7
11:00 PM - 11:10 PM	53.2	49.8	-	51.5	47.5	7.6
11:00 PM - 11:15 PM	51.7	50.5	-	48.5	49.8	-1.3
11:15 PM - 11:20 PM	51.9	50.0	-	50.4	48.8	1.6
11:20 PM - 11:25 PM	51.4	48.3	-	51.5	41.5	8.0
11:25 PM - 11:30 PM	52.4	49.5	-	54.4	43.9	8.5
11:30 PM - 11:35 PM	51.2	45.4	-	52.2	44.0	10.2
11:35 PM - 11:40 PM	50.6	48.3	-	49.7	45.4	4.2
11:40 PM - 11:45 PM	52.5	50.8	-	50.6	48.0	1.6
11:45 PM - 11:50 PM	53.0	51.0	-	51.7	49.9	2.8
11:50 PM - 11:55 PM	52.0	52.2	-	50.8	50.7	-
11:55 PM - 12:00 AM	52.3	51.0	-	47.8	47.8	0.0
12:00 AM - 12:05 AM	51.9	51.9	-	46.9	50.7	-4.3

The above results are valid only for the individual tested sample(s) as indicated in this report. No part of this report or contents may be reproduced in any form without written consent from the Laboratory. © S Laboratory Group (P) Ltd and its agents, recommends that this report is not reproduced except in full.

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Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017238-1

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Analysis / Test Report

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017236-1

Page 3 of 3

Sample No.	2454490-S
Parameter	เอนไซม์
Location	บริเวณหน้าวัดหลวงพ่อใหญ่ (GPS 48Q 279216, 1888633)
Measurement Date	May 29 - 30, 2024
Measurement by	Sanglanwan Naitanat
Sound Level Meter	00171014

เวลา		ท่าอากาศยาน (BKK)					ค่าโดยสาร
เวลา	เส้นทาง หน่วยวัด	เส้นทาง ไป/กลับ	ท่าอากาศยาน		เส้นทาง	ค่าโดยสาร	
			ค่าโดยสาร	ค่าโดยสาร			
12:05 AM - 12:10 AM	51.4	50.8	-	46.9	48.4	-1.5	
12:10 AM - 12:15 AM	51.4	50.9	-	44.8	49.1	-4.3	
12:15 AM - 12:20 AM	51.5	51.2	-	42.7	49.7	-7.0	
12:20 AM - 12:25 AM	51.6	51.3	-	40.4	48.5	-1.8	
12:25 AM - 12:30 AM	52.1	53.7	-	45.5	48.6	0.9	
12:30 AM - 12:35 AM	51.9	52.3	-	N/A	50.5	-	
12:35 AM - 12:40 AM	54.6	51.1	-	55.8	49.1	5.9	
12:40 AM - 12:45 AM	51.4	49.8	-	50.8	46.1	4.7	
12:45 AM - 12:50 AM	52.8	48.6	-	53.7	45.9	7.8	
12:50 AM - 12:55 AM	52.1	-	-	51.6	45.7	6.4	
12:55 AM - 01:00 AM	52.4	51.9	-	49.5	49.5	0.3	
01:00 AM - 01:05 AM	51.6	51.3	-	47.4	53.1	-2.7	
01:05 AM - 01:10 AM	54.0	51.6	-	55.0	47.9	7.1	
01:10 AM - 01:15 AM	52.0	51.0	-	51.7	49.4	2.3	
01:15 AM - 01:20 AM	52.7	51.6	-	49.3	50.5	-1.4	
01:20 AM - 01:25 AM	52.4	50.6	-	50.7	49.4	1.3	
01:25 AM - 01:30 AM	52.5	51.1	-	49.3	49.9	0.0	
01:30 AM - 01:35 AM	52.6	52.0	-	49.0	50.0	-	
01:35 AM - 01:40 AM	52.1	52.1	-	51.1	50.5	4.6	
01:40 AM - 01:45 AM	51.4	50.8	-	56.6	48.8	7.8	
01:45 AM - 01:50 AM	55.1	49.1	-	47.9	46.2	1.6	
01:50 AM - 01:55 AM	51.3	48.5	-	51.5	46.3	5.2	
01:55 AM - 02:00 AM	51.1	49.2	-	49.6	47.0	2.6	
02:00 AM - 02:05 AM	53.1	50.1	-	53.1	47.6	5.5	
02:05 AM - 02:10 AM	52.0	51.2	-	51.3	48.8	2.3	
02:10 AM - 02:15 AM	50.8	50.9	-	52.9	50.9	-	
02:15 AM - 02:20 AM	52.0	52.7	-	N/A	48.7	-	
02:20 AM - 02:25 AM	50.8	52.1	-	N/A	49.1	-	
02:25 AM - 02:30 AM	51.4	52.0	-	49.0	49.5	-	
02:30 AM - 02:35 AM	50.9	51.9	-	N/A	49.4	-	
02:35 AM - 02:40 AM	51.6	52.4	-	N/A	49.7	-	
02:40 AM - 02:45 AM	51.7	51.9	-	N/A	47.9	-	
02:45 AM - 02:50 AM	50.7	48.3	-	50.5	46.9	1.8	
02:50 AM - 02:55 AM	51.7	49.1	-	50.0	46.8	3.2	
02:55 AM - 03:00 AM	51.8	49.5	-	50.9	47.3	3.6	
03:00 AM - 03:05 AM	51.1	49.1	-	49.8	47.1	5.5	
03:05 AM - 03:10 AM	51.6	48.4	-	51.6	46.5	5.1	
03:10 AM - 03:15 AM	51.9	48.7	-	50.1	46.7	3.4	
03:15 AM - 03:20 AM	51.3	48.9	-	50.6	47.0	3.8	
03:20 AM - 03:25 AM	51.3	48.9	-	50.6	47.0	3.8	

01:20 AM - 01:25 AM	21.9	22.9			21.9
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Approved by Kanokorn Anek
Kanokorn Anek
Senior Manager

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พลาสมา (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวรถ	เสียงจากตัวรถตามทิศทาง	เสียงรบกวน	ค่าพลาสมาตามทิศทาง
03:25 AM - 03:35 AM	50.9	52.6	-	49.2	-
03:35 AM - 03:45 AM	51.2	50.5	-	47.3	-1.1
03:45 AM - 03:55 AM	51.8	50.5	-	48.5	-6.5
03:55 AM - 04:05 AM	52.3	49.6	-	52.9	3.2
04:05 AM - 04:15 AM	52.0	48.2	-	52.7	5.6
04:15 AM - 04:25 AM	51.8	47.6	-	52.6	3.9
04:25 AM - 04:35 AM	51.1	47.6	-	51.5	4.6
04:35 AM - 04:45 AM	51.5	47.6	-	52.0	5.5
04:45 AM - 04:55 AM	51.8	46.2	-	54.0	7.3
04:55 AM - 05:05 AM	52.2	47.8	-	53.2	6.7
05:05 AM - 05:15 AM	51.2	48.1	-	51.3	4.7
05:15 AM - 05:25 AM	52.6	48.6	-	52.4	6.9
05:25 AM - 05:35 AM	53.0	47.5	-	54.6	8.6
05:35 AM - 05:45 AM	52.7	47.3	-	54.2	8.1
05:45 AM - 05:55 AM	51.7	47.5	-	52.6	6.3
05:55 AM - 06:05 AM	52.2	47.2	-	53.4	7.1
06:05 AM - 06:15 AM	53.1	48.0	-	56.5	8.0
06:15 AM - 06:25 AM	53.0	48.0	-	54.3	7.8
06:25 AM - 06:35 AM	53.3	48.0	-	54.8	8.2
06:35 AM - 06:45 AM	53.6	48.5	-	55.6	6.9
06:45 AM - 06:55 AM	52.6	48.5	-	53.5	6.7
06:55 AM - 07:05 AM	52.8	47.3	-	53.2	5.7
07:05 AM - 07:15 AM	52.5	49.6	-	52.4	4.6
07:15 AM - 07:25 AM	53.9	50.5	-	54.2	6.0
07:25 AM - 07:35 AM	54.5	49.9	-	55.7	7.2
07:35 AM - 07:45 AM	54.3	49.3	-	55.6	8.3
07:45 AM - 07:55 AM	53.5	50.0	-	53.8	6.0
07:55 AM - 08:05 AM	53.9	50.2	-	54.5	7.7
08:05 AM - 08:15 AM	53.1	50.5	-	53.8	6.9
08:15 AM - 08:25 AM	53.6	50.4	-	54.1	6.9
08:25 AM - 08:35 AM	53.1	51.2	-	52.1	3.8
08:35 AM - 08:45 AM	54.6	51.8	46.9	-	49.1
08:45 AM - 08:55 AM	-	-	-	-	-2.2
ค่าเฉลี่ยรวม	-	-	-	-	6.18

Reference Method :

1. In-house method : STM D6-001 Based on ISO 1996-1 : 2016
2. In-house method based on Thai Standard for Measurement of Noise and Vibration 24 ชั่วโมง การประเมินผลวัดการสั่นสะเทือนและเสียงรบกวน พ.ศ. 2567

หมายเหตุ :

1. ข้อมูลการประเมินเสียง (ค่าความดันเสียงตามทิศทางและระดับความถี่) ได้มาจากการวัดเสียงรบกวนในทิศทางตามแนวนอน
2. ข้อมูลการประเมินการสั่นสะเทือนได้มาจากการวัดการสั่นสะเทือนตามแนวนอน

1. ระบอบการปกครองแบบเผด็จการทหารไทย 29-30 พฤษภาคม 2567
2. ระบอบการปกครองแบบเผด็จการในไทยปัจจุบัน (Sample No.2154497-5 วันที่ 29-30 พฤษภาคม 2567)
3. พล. วัชรพล ชื่นจิตประเสริฐ (อดีตนายกรัฐมนตรี) วิจารณ์ระบอบการปกครองแบบเผด็จการทหารไทยว่า "เผด็จการไทยไม่ใช่ระบอบการปกครองแบบเผด็จการทหาร" 29-30 พฤษภาคม 2567

Approved by Kanakkiam Anek
Kanakkiam Anek
Senior Manager

40/CHASS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10260 Thailand (THAILAND) +66 0 2760 3000 FAX +66 0 2760 3197
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017239-1

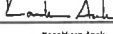
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454490-6
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่พักพิงสัตว์ (GPS 48Q 279216, 1886633)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtawan Nitsat
Sound Level Meter : 00371914

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		เสียงรบกวน	ค่าเสียง
			ค่าจริง	ค่าเฉลี่ย		ค่าเฉลี่ย
07:00 AM - 08:00 AM	54.2	52.7	48.9	-	49.2	-0.3
08:00 AM - 09:00 AM	54.4	48.1	52.9	-	45.5	6.4
09:00 AM - 10:00 AM	55.8	49.3	54.7	-	46.5	8.1
10:00 AM - 11:00 AM	54.3	48.9	52.5	-	46.4	6.1
11:00 AM - 12:00 PM	53.3	52.6	50.9	-	47.0	3.9
12:00 PM - 01:00 PM	52.5	48.7	50.2	-	46.6	2.6
01:00 PM - 02:00 PM	53.3	50.8	49.7	-	48.6	1.1
02:00 PM - 03:00 PM	53.5	50.3	50.7	-	47.6	3.1
03:00 PM - 04:00 PM	52.7	50.3	51.0	-	47.9	3.8
04:00 PM - 05:00 PM	53.8	49.5	51.8	-	46.9	4.9
05:00 PM - 06:00 PM	53.7	50.8	50.6	-	48.0	2.6
06:00 PM - 07:00 PM	54.3	51.7	50.4	-	48.2	1.2
07:00 PM - 08:00 PM	55.5	53.3	51.0	-	52.4	-1.4
08:00 PM - 09:00 PM	53.6	52.8	45.9	-	52.0	-1.1
09:00 PM - 10:00 PM	53.1	48.7	51.1	-	47.4	3.7
10:00 PM - 11:00 PM	52.2	49.0	-	52.4	47.4	5.0
11:00 PM - 12:00 AM	53.9	47.9	-	53.6	46.9	6.7
12:00 AM - 01:00 AM	52.1	47.7	-	53.1	46.2	5.9
01:00 AM - 02:00 AM	52.2	48.3	-	52.9	47.1	5.8
02:00 AM - 03:00 AM	52.1	48.8	-	52.4	47.0	5.4
03:00 AM - 04:00 AM	52.4	48.6	-	53.4	46.7	6.7
04:00 AM - 05:00 AM	52.8	47.8	-	54.1	46.8	7.3
05:00 AM - 06:00 PM	52.4	48.0	-	51.7	46.5	5.2
06:00 PM - 07:00 AM	52.1	48.0	-	53.0	47.7	4.3
07:00 PM - 08:00 AM	51.7	48.7	-	50.8	46.7	4.9
08:00 PM - 09:00 PM	52.7	47.9	-	51.4	46.6	5.0
09:00 PM - 10:00 PM	51.5	48.4	-	50.8	47.1	4.3
10:00 PM - 11:00 PM	51.8	48.8	-	51.8	47.7	4.1
11:00 PM - 12:00 AM	52.0	48.0	-	52.5	47.3	4.7
12:00 AM - 01:00 PM	52.4	48.8	-	52.9	46.9	5.9
01:00 PM - 02:00 PM	52.8	49.7	-	54.2	46.3	7.7
02:00 PM - 03:00 PM	52.0	47.2	-	51.7	47.0	5.0
03:00 PM - 04:00 PM	52.8	48.1	-	51.1	45.9	6.9
04:00 PM - 05:00 PM	53.4	48.4	-	54.0	47.0	7.0
05:00 PM - 06:00 PM	53.4	48.4	-	54.7	46.8	7.9
06:00 PM - 07:00 AM	54.4	47.2	-	56.5	46.1	10.4
07:00 PM - 08:00 AM	50.8	47.7	-	53.8	45.9	5.3
08:00 PM - 09:00 PM	51.8	48.3	-	52.2	47.3	5.0
09:00 PM - 10:00 PM	51.5	48.0	-	51.9	46.8	5.1
10:00 PM - 11:00 PM	51.4	48.4	-	51.4	47.1	4.3
11:00 PM - 12:00 AM	52.2	47.8	-	53.2	47.0	5.2

The above results are valid only for the analyzed period(s) as indicated in this report. The test results are not to be reproduced in any form without the written permission of the Laboratory (ALS) and the client. Any unauthorized use of the results is not recommended in any form.

Approved by 
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017239-1


P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454490-6
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่พักพิงสัตว์ (GPS 48Q 279216, 1886633)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtawan Nitsat
Sound Level Meter : 00371914

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		เสียงรบกวน	ค่าเสียง
			ค่าจริง	ค่าเฉลี่ย		ค่าเฉลี่ย
12:05 AM - 12:15 AM	51.8	48.1	-	52.4	46.9	5.5
12:15 AM - 12:25 AM	51.9	48.3	-	49.5	47.0	2.5
12:25 AM - 12:35 AM	54.2	48.0	-	56.0	46.8	9.2
12:35 AM - 12:45 AM	50.9	48.0	-	50.8	46.7	4.1
12:45 AM - 12:55 AM	51.7	48.2	-	51.2	46.8	4.4
12:55 AM - 01:05 AM	51.5	48.3	-	51.7	46.8	4.9
01:05 AM - 01:15 AM	52.3	47.5	-	52.6	46.1	7.5
01:15 AM - 01:25 AM	51.1	49.0	-	50.8	46.3	4.5
01:25 AM - 01:35 AM	51.4	48.9	-	49.9	47.8	2.1
01:35 AM - 01:45 AM	51.4	48.9	-	50.8	47.5	3.3
01:45 AM - 01:55 AM	52.8	47.6	-	52.8	46.4	6.4
01:55 AM - 02:05 AM	50.9	48.0	-	50.8	46.4	4.4
02:05 AM - 02:15 AM	51.4	47.9	-	51.0	45.6	5.2
02:15 AM - 02:25 AM	51.4	47.6	-	49.4	46.6	2.8
02:25 AM - 02:35 AM	48.1	47.8	-	52.4	46.6	1.6
02:35 AM - 02:45 AM	52.1	47.9	-	53.0	46.6	5.4
02:45 AM - 02:55 AM	50.8	48.3	-	50.2	46.7	2.5
02:55 AM - 03:05 AM	51.3	47.2	-	52.4	46.2	5.2
03:05 AM - 03:15 AM	51.3	47.2	-	52.2	46.0	5.2
03:15 AM - 03:25 AM	50.1	49.8	-	43.3	47.3	-0.0
03:25 AM - 03:35 AM	54.2	47.8	-	56.1	46.4	9.7
03:35 AM - 03:45 AM	51.5	48.5	-	51.5	46.9	4.6
03:45 AM - 03:55 AM	51.2	48.2	-	51.2	46.7	4.5
03:55 AM - 04:05 AM	52.3	47.7	-	51.5	46.4	5.9
04:05 AM - 04:15 AM	50.2	48.3	-	49.0	46.3	2.7
04:15 AM - 04:25 AM	51.1	47.8	-	51.4	46.8	4.6
04:25 AM - 04:35 AM	54.0	47.2	-	55.3	46.5	8.8
04:35 AM - 04:45 AM	54.3	47.3	-	56.2	46.5	9.7
04:45 AM - 04:55 AM	51.7	47.3	-	52.7	46.2	5.5
04:55 AM - 05:05 AM	51.7	47.3	-	50.2	46.6	1.6
05:05 AM - 05:15 AM	51.5	48.3	-	51.2	46.9	4.8
05:15 AM - 05:25 AM	52.4	47.8	-	49.8	46.8	3.0
05:25 AM - 05:35 AM	51.5	48.6	-	51.0	46.9	4.1
05:35 AM - 05:45 AM	51.1	48.1	-	49.5	46.4	13.1
05:45 AM - 05:55 AM	51.8	47.8	-	53.1	46.8	7.3
05:55 AM - 06:05 AM	50.9	47.5	-	50.7	46.1	4.8
06:05 AM - 06:15 AM	51.0	50.2	-	46.3	47.1	-0.8
06:15 AM - 06:25 AM	55.1	48.3	-	57.1	46.8	10.3
06:25 AM - 06:35 AM	50.7	47.7	-	50.7	46.4	4.3
06:35 AM - 06:45 AM	51.1	47.5	-	51.6	46.1	5.5

The above results are valid only for the analyzed period(s) as indicated in this report. The test results are not to be reproduced in any form without the written permission of the Laboratory (ALS) and the client. Any unauthorized use of the results is not recommended in any form.

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017239-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454490-6
Parameter : เสียงรบกวน
Location : บริเวณพื้นที่พักพิงสัตว์ (GPS 48Q 279216, 1886633)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtawan Nitsat
Sound Level Meter : 00371914

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วันที่	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ค่าเสียง (dB(A))		เสียงรบกวนโดยประมาณ	ค่าเสียงโดยประมาณ
			ค่าจริง	ค่าเฉลี่ย		
01:25 AM - 01:30 AM	51.2	47.5	-	51.8	46.0	3.8
01:30 AM - 01:35 AM	51.0	48.3	-	50.7	46.7	4.0
01:35 AM - 01:40 AM	51.6	47.6	-	52.3	46.0	5.3
01:40 AM - 01:45 AM	50.9	47.6	-	51.2	46.1	5.1
01:45 AM - 01:50 AM	51.0	48.2	-	50.8	46.2	4.6
01:50 AM - 01:55 AM	50.8	48.0	-	50.6	46.3	4.3
01:55 AM - 02:00 AM	52.3	47.9	-	53.3	46.5	5.8
02:00 AM - 02:05 AM	52.0	47.9	-	52.9	46.5	5.4
02:05 AM - 02:10 AM	52.6	47.8	-	52.2	46.4	5.9
02:10 AM - 02:15 AM	52.7	47.9	-	53.2	46.4	6.8
02:15 AM - 02:20 AM	52.7	48.8	-	53.4	46.5	6.9
02:20 AM - 02:25 AM	52.6	48.9	-	53.2	46.6	6.0
02:25 AM - 02:30 AM	52.9	48.9	-	53.8	47.3	6.5
02:30 AM - 02:35 AM	52.7	49.0	-	53.3	47.1	6.2
02:35 AM - 02:40 AM	52.5	49.3	-	52.7	47.8	4.9
02:40 AM - 02:45 AM	52.9	49.2	-	55.1	47.5	7.6
02:45 AM - 02:50 AM	53.7	51.2	-	55.1	47.7	4.4
02:50 AM - 02:55 AM	53.6	51.0	-	53.1	47.1	6.0
02:55 AM - 03:00 AM	53.9	50.9	-	52.9	46.9	5.0
03:00 AM - 03:05 AM	53.0	50.1	-	52.9	46.5	6.4
03:05 AM - 03:10 AM	53.4	50.2	-	53.6	46.4	5.2
03:10 AM - 03:15 AM	53.8	51.4	-	50.2	46.4	6.6
03:15 AM - 03:20 AM	55.0	51.0	-	55.8	46.3	6.7
03:20 AM - 03:25 AM	54.0	51.0	-	54.0	46.3	6.7
03:25 AM - 03:30 AM	54.2	50.9	-	52.3	46.1	7.2
03:30 AM - 03:35 AM	54.1	51.6	-	53.5	46.1	8.0
03:35 AM - 03:40 AM	53.2	52.5	-	47.9	46.3	-1.4
03:40 AM - 03:45 AM	54.4	50.5	-	55.1	46.0	8.1
03:45 AM - 03:50 AM	54.4	51.8	-	55.1	46.0	6.1
03:50 AM - 03:55 AM	54.4	51.8	-	51.3	46.6	1.7
03:55 AM - 04:00 AM	54.4	51.8	-	51.8	46.2	8.2
04:00 AM - 04:05 AM	53.7	51.9	-	55.5	46.2	5.8
04:05 AM - 04:10 AM	54.5	52.5	50.2	-	49.7	0.5



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.1041000012341_EIA Monitoring
Project Location :

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017240-1

Sample No. 2454490-7
Parameter เสียงรบกวน
Location ตำบลโคกโพธิ์ไชย/บ้านโคกโพธิ์ (GPS 49Q 279216, 188633)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371914

Page 2 of 2

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน		เสียงรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย
		ไม่มีการรบกวน	มีการรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
12:05 AM - 12:10 AM	53.2	46.1	-	55.3	46.9	8.4
12:10 AM - 12:15 AM	51.8	47.3	-	52.9	47.0	5.9
12:15 AM - 12:20 AM	52.6	46.8	-	55.6	46.8	8.8
12:20 AM - 12:25 AM	52.9	46.4	-	54.0	46.7	7.3
12:25 AM - 12:30 AM	52.4	47.4	-	53.7	46.9	6.9
12:30 AM - 12:35 AM	52.1	47.1	-	53.4	46.8	6.6
12:35 AM - 12:40 AM	53.1	47.0	-	54.9	46.1	8.8
12:40 AM - 12:45 AM	51.6	47.5	-	52.5	46.8	5.7
12:45 AM - 12:50 AM	53.3	47.3	-	55.0	47.8	7.2
12:50 AM - 12:55 AM	51.8	47.8	-	53.1	47.5	5.6
12:55 AM - 01:00 AM	51.8	47.9	-	52.5	46.3	6.2
01:00 AM - 01:05 AM	52.6	47.9	-	55.3	46.4	8.9
01:05 AM - 01:10 AM	52.9	48.0	-	53.6	45.6	8.0
01:10 AM - 01:15 AM	52.6	47.3	-	54.1	46.5	7.5
01:15 AM - 01:20 AM	51.9	47.7	-	52.8	46.6	6.2
01:20 AM - 01:25 AM	51.8	48.3	-	52.2	46.6	5.6
01:25 AM - 01:30 AM	52.4	48.1	-	53.4	46.7	6.7
01:30 AM - 01:35 AM	51.9	48.4	-	52.3	46.2	6.1
01:35 AM - 01:40 AM	51.1	48.1	-	52.9	46.0	5.9
01:40 AM - 01:45 AM	51.1	48.9	-	50.1	47.3	2.8
01:45 AM - 01:50 AM	53.1	48.0	-	54.5	46.4	8.1
01:50 AM - 01:55 AM	52.7	47.9	-	54.0	46.9	7.1
01:55 AM - 02:00 AM	52.0	48.1	-	54.3	46.7	7.6
02:00 AM - 02:05 AM	51.6	48.2	-	51.9	46.4	5.5
02:05 AM - 02:10 AM	51.6	47.8	-	55.5	46.3	9.2
02:10 AM - 02:15 AM	51.3	47.5	-	52.0	46.8	5.2
02:15 AM - 02:20 AM	51.3	48.0	-	51.6	46.5	5.1
02:20 AM - 02:25 AM	51.0	48.6	-	52.3	46.5	5.5
02:25 AM - 02:30 AM	51.8	47.6	-	52.2	46.2	6.0
02:30 AM - 02:35 AM	51.0	47.6	-	52.7	46.6	6.1
02:35 AM - 02:40 AM	51.8	47.2	-	53.1	46.9	6.2
02:40 AM - 02:45 AM	51.0	47.5	-	53.1	46.8	6.3
02:45 AM - 02:50 AM	51.8	47.9	-	52.5	46.9	5.6
02:50 AM - 02:55 AM	52.2	47.9	-	54.7	46.4	8.7
02:55 AM - 03:00 AM	52.1	47.9	-	52.5	45.8	6.7
03:00 AM - 03:05 AM	52.3	48.3	-	53.1	46.1	7.0
03:05 AM - 03:10 AM	52.6	47.1	-	54.2	47.1	7.1
03:10 AM - 03:15 AM	52.4	48.9	-	54.0	46.9	7.2
03:15 AM - 03:20 AM	51.8	50.3	-	49.5	46.4	3.1
03:20 AM - 03:25 AM	52.6	47.1	-	54.2	46.1	8.1

The above results are subject to the standard test methods as indicated in this report. The test results are not valid if the test results are not confirmed by the Laboratory. A Laboratory Group (Phrasat) is required to ensure the test results are not subject to error.

Approved by

Kasikorn Anek
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS Limited Company

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.1041000012341_EIA Monitoring
Project Location :

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017240-1

Sample No. 2454490-7
Parameter เสียงรบกวน
Location ตำบลโคกโพธิ์ไชย/บ้านโคกโพธิ์ (GPS 49Q 279216, 188633)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371914

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เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน		เสียงรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย
		ไม่มีการรบกวน	มีการรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
03:25 AM - 03:30 AM	53.3	47.8	-	55.1	46.0	9.1
03:30 AM - 03:35 AM	53.6	47.8	-	55.3	46.7	8.6
03:35 AM - 03:40 AM	53.0	47.8	-	54.7	46.0	8.7
03:40 AM - 03:45 AM	52.7	48.4	-	52.3	46.1	6.8
03:45 AM - 03:50 AM	53.2	47.6	-	54.8	46.2	8.6
03:50 AM - 03:55 AM	54.4	47.7	-	56.4	46.3	10.1
03:55 AM - 04:00 AM	52.4	47.5	-	53.7	46.5	7.2
04:00 AM - 04:05 AM	51.1	47.1	-	51.4	46.5	6.5
04:05 AM - 04:10 AM	51.0	47.7	-	51.3	46.4	4.9
04:10 AM - 04:15 AM	51.5	49.4	-	50.3	46.4	3.9
04:15 AM - 04:20 AM	52.7	49.5	-	52.0	46.5	6.5
04:20 AM - 04:25 AM	52.1	50.2	-	50.6	47.2	7.4
04:25 AM - 04:30 AM	52.7	51.3	-	50.1	47.3	2.8
04:30 AM - 04:35 AM	53.0	50.2	-	52.8	47.1	5.7
04:35 AM - 04:40 AM	51.3	50.1	-	52.5	47.8	5.7
04:40 AM - 04:45 AM	52.0	51.0	-	48.1	47.5	0.6
04:45 AM - 04:50 AM	53.0	51.0	-	51.7	48.7	3.0
04:50 AM - 04:55 AM	53.4	50.8	-	52.9	49.1	1.8
04:55 AM - 05:00 AM	53.8	51.7	-	52.3	48.9	4.4
05:00 AM - 05:05 AM	54.0	51.6	-	53.3	48.5	4.8
05:05 AM - 05:10 AM	55.5	51.8	-	56.1	48.4	7.7
05:10 AM - 05:15 AM	53.7	53.0	-	48.4	49.3	0.9
05:15 AM - 05:20 AM	52.6	52.7	-	49.3	49.3	0.9
05:20 AM - 05:25 AM	53.9	52.0	-	52.4	49.1	3.3
05:25 AM - 05:30 AM	51.6	52.7	-	53.5	49.1	4.4
05:30 AM - 05:35 AM	54.1	50.9	-	54.3	49.1	5.2
05:35 AM - 05:40 AM	52.7	50.6	-	53.8	49.3	4.5
05:40 AM - 05:45 AM	51.8	51.8	-	55.7	49.0	6.7
05:45 AM - 05:50 AM	53.9	51.0	-	52.6	49.6	4.2
05:50 AM - 05:55 AM	51.7	51.7	-	53.6	49.7	3.9
05:55 AM - 06:00 AM	54.4	52.4	-	53.1	49.7	1.4
06:00 AM - 06:05 AM	54.7	52.9	50.0	-	49.7	0.3
06:05 AM - 06:10 AM	-	-	-	-	61.0	6.0

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. In-house method based on the standard test methods as indicated in this report. The test results are not valid if the test results are not confirmed by the Laboratory. A Laboratory Group (Phrasat) is required to ensure the test results are not subject to error.
3. In-house method based on the standard test methods as indicated in this report. The test results are not valid if the test results are not confirmed by the Laboratory. A Laboratory Group (Phrasat) is required to ensure the test results are not subject to error.

Approved by

Kasikorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.1041000012341_EIA Monitoring
Project Location :

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017241-1

Sample No. 2454490-8
Parameter เสียงรบกวน
Location ตำบลโคกโพธิ์ไชย/บ้านโคกโพธิ์ (GPS 49Q 277638, 188802)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 01177613

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เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน		เสียงรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย
		ไม่มีการรบกวน	มีการรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย	ค่าเฉลี่ย
07:00 AM - 07:05 AM	49.2	49.3	35.7	43.0	47.3	7.3
07:05 AM - 07:10 AM	50.4	48.5	45.9	-	43.1	6.8
07:10 AM - 07:15 AM	49.9	47.9	47.9	-	42.8	5.1
07:15 AM - 07:20 AM	49.7	46.3	47.0	-	42.8	4.2
07:20 AM - 07:25 AM	50.3	46.4	49.7	-	42.4	5.3
07:25 AM - 07:30 AM	49.1	43.0	47.9	-	40.7	7.2
07:30 AM - 07:35 AM	50.3	46.5	48.0	-	44.1	2.9
07:35 AM - 07:40 AM	49.5	44.7	47.8	-	37.2	10.6
07:40 AM - 07:45 AM	49.6	45.4	47.4	-	39.0	8.4
07:45 AM - 07:50 AM	52.0	45.1	51.0	-	37.8	13.2
07:50 AM - 07:55 AM	51.3	44.5	50.2	-	36.9	11.4
07:55 AM - 08:00 AM	51.3	44.5	49.0	-	37.4	11.6
08:00 AM - 08:05 AM	51.5	47.3	49.4	-	37.0	12.4
08:05 AM - 08:10 AM	51.5	45.5	50.2	-	39.3	10.9
08:10 AM - 08:15 AM	53.6	43.4	52.2	-	36.4	14.4
08:15 AM - 08:20 AM	55.1	39.1	-	58.0	34.9	23.1
08:20 AM - 08:25 AM	54.8	40.7	-	57.6	35.5	22.1
08:25 AM - 08:30 AM	53.4	42.8	-	56.3	36.6	19.5
08:30 AM - 08:35 AM	53.7	42.5	-	56.3	38.0	18.2
08:35 AM - 08:40 AM	53.9	42.9	-	56.5	40.7	15.8
08:40 AM - 08:45 AM	54.6	44.8	-	57.2	41.2	16.0
08:45 AM - 08:50 AM	53.7	43.9	-	55.9	39.4	16.5
08:50 AM - 08:55 AM	52.6	43.9	-	55.0	41.3	13.2
08:55 AM - 09:00 AM	52.4	43.9	-	54.2	40.3	14.4
09:00 AM - 09:05 AM	51.4	44.0	-	53.5	40.8	10.5
09:05 AM - 09:10 AM	50.8	44.3	-	52.7	43.0	6.7
09:10 AM - 09:15 AM	50.8	45.2	-	53.7	41.5	10.2
09:15 AM - 09:20 AM	51.7	45.1	-	52.7	43.5	9.8
09:20 AM - 09:25 AM	51.4	45.6	-	53.3	44.2	8.9
09:25 AM - 09:30 AM	51.8	44.9	-	53.8	43.9	9.9
09:30 AM - 09:35 AM	52.7	44.9	-	52.9	44.4	8.3
09:35 AM - 09:40 AM	50.1	43.6	-	53.2	42.7	9.0
09:40 AM - 09:45 AM	50.7	43.6	-	53.1	42.3	9.0
09:45 AM - 09:50 AM	50.9	43.6	-	52.9	42.5	8.3
09:50 AM - 09:55 AM	50.0	43.2	-	52.0	41.9	10.1
09:55 AM - 10:00 AM	50.0	43.0	-	52.0	40.7	11.3
10:00 AM - 10:05 AM	50.0	43.0	-	52.0	41.8	10.8
10:05 AM - 10:10 AM	49.8	42.8	-	51.8	40.5	11.3
10:10 AM - 10:15 AM	49.8	41.9	-	52.0	40.5	11.3
10:15 AM - 10:20 AM	49.9	41.9	-	51.8	40.7	10.7
10:20 AM - 10:25 AM	49.9	41.9	-	51.8	41.1	10.6
10:25 AM - 10:30 AM	49.8	41.9	-	51.8	41.2	10.6

The above results are subject to the standard test methods as indicated in this report. The test results are not valid if the test results are not confirmed by the Laboratory. A Laboratory Group (Phrasat) is required to ensure the test results are not subject to error.

Approved by

Kasikorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.1041000012341_EIA Monitoring
Project Location :

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017241-1

Sample No. 2454490-8
Parameter เสียงรบกวน
Location ตำบลโคกโพธิ์ไชย/บ้านโคกโพธิ์ (GPS 49Q 277638, 188802)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 01177613

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เวลา	เสียงจากแหล่งกำเนิด	เสียงจากแหล่งกำเนิด	ค่าเฉลี่ย (dB(A))		เสียงรบกวน	ค่าเฉลี่ย	ค่าเฉลี่ย
			ไม่มีการรบกวน	มีการรบกวน			
10:35 AM - 10:40 AM	50.4	45.2	-	51.6	44.6	7.0	
10:40 AM - 10:45 AM	50.4	46.2	-	51.3	44.4	6.9	
10:45 AM - 10:50 AM	50.6	46.9	-	52.2	43.8	8.4	
10:50 AM - 10:55 AM	50.4	45.1	-	51.9	43.5	6.4	
10:55 AM - 11:00 AM	50.3	45.1	-	51.2	43.7	8.0	
11:00 AM - 11:05 AM	50.8	45.1	-	51.3	44.4	6.9	
11:05 AM - 11:10 AM	49.5	46.5	-	50.8	43.1	7.7	
11:10 AM - 11:15 AM	50.0	52.6	-	50.9	43.9	-	
11:15 AM - 11:20 AM	49.7	45.1	-	50.9	44.3	6.6	
11:20 AM - 11:25 AM	49.5	44.8	-	50.7	43.9	6.6	
11:25 AM - 11:30 AM	49.3	44.6	-	50.5	43.6	6.6	
11:30 AM - 11:35 AM	49.2	44.1	-	50.6	43.2	7.4	
11:35 AM - 11:40 AM	49.4	45.5	-	50.1	43.6	5.5	
11:40 AM - 11:45 AM	49.5	44.2	-	50.9	43.3	7.6	
11:45 AM - 11:50 AM	49.4	43.7	-	51.0	42.5	8.5	
11:50 AM - 11:55 AM	49.1	43.7	-	50.7	42.7	7.9	
11:55 AM - 12:00 AM	49.1	44.6	-	50.2	43.6	6.6	
12:00 AM - 12:05 AM	49.1	44.2	-	50.3	43.5	6.9	
12:05 AM - 12:10 AM	49.3	44.7	-	50.5	43.5	7.0	
12:10 AM - 12:15 AM	49.0	44.6	-	50.8	44.0	6.9	
12:15 AM - 12:20 AM	49.2	42.6	-	50.9	42.4	8.5	
12:20 AM - 12:25 AM	49.3	44.9	-	51.0	44.0	7.9	
12:25 AM - 12:30 AM	49.2	44.8	-	50.7	43.3	7.4	
01:00 AM - 01:05 AM	49.5	44.0	-	51.1	42.4	8.7	
01:05 AM - 01:10 AM	49.7	44.1	-	51.4	42.4	7.3	
01:10 AM - 01:15 AM	49.5	44.1	-	51.0	42.9	6.1	
01:15 AM - 01:20 AM	49.6	43.4	-	51.4	42.7	6.7	
01:20 AM - 01:25 AM	49.6	43.5	-	51.4	42.6	9.8	
01:25 AM - 01:30 AM	49.2	43.1	-	52.2	42.5	9.7	
01:30 AM - 01:35 AM	49.8	42.4	-	51.7	42.7	9.0	
01:35 AM - 01:40 AM	49.5	43.4	-	51.3	42.3	9.0	
01:40 AM - 01:45 AM	49.3	42.4	-	51.0	42.3	-	
01:45 AM - 01:50 AM	50.0	43.0	-	52.0	41.9	10.1	
01:50 AM - 01:55 AM	50.0	43.0	-	52.0	40.7	11.3	
01:55 AM - 02:00 AM	50.0	43.9	-	51.8	41.0	15.8	
02:00 AM - 02:05 AM	49.8	42.8	-	51.8	40.5	11.3	
02:05 AM - 02:10 AM	49.8	43.9	-	52.0	40.5	11.5	
02:10 AM - 02:15 AM	49.7	43.0	-	51.7	41.0	10.7	
02:15 AM - 02:20 AM	49.9	42.9	-	51.9	41.1	10.8	
02:20 AM - 02:25 AM	49.1	42.9	-	51.7	41.2	-	



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017243-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

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Sample No. 2454490-10
Parameter เสียงรบกวน
Location ตำบลบ้านใหม่พัฒนา/หนองนา (GPS 48Q 277638, 1848827)
Measurement Date May 27 - 28, 2024
Measurement by Sangwan Natasat
Sound Level Meter 01173613

ตามเงื่อนไข (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนโดยประมาณ	เสียงรบกวน	ค่าตามเกณฑ์
07:00 AM - 08:00 AM	42.2	44.8	43.5	38.2	5.2
08:00 AM - 09:00 AM	49.5	47.3	45.5	39.4	6.1
09:00 AM - 10:00 AM	48.6	46.1	44.0	37.6	1.4
10:00 AM - 11:00 AM	46.5	42.5	41.6	36.5	5.1
11:00 AM - 12:00 PM	45.7	42.1	41.2	36.6	6.6
12:00 PM - 01:00 PM	42.1	41.8	41.4	36.5	7.9
01:00 PM - 02:00 PM	45.3	45.2	42.9	35.8	4.9
02:00 PM - 03:00 PM	45.6	42.9	42.3	35.3	7.0
03:00 PM - 04:00 PM	41.8	40.5	35.9	34.9	1.0
04:00 PM - 05:00 PM	40.2	41.4	35.0	35.0	-1.0
05:00 PM - 06:00 PM	42.1	41.9	35.9	35.1	0.8
06:00 PM - 07:00 PM	42.7	43.3	33.3	37.3	-4.2
07:00 PM - 08:00 PM	42.0	42.8	n/a	42.6	-
08:00 PM - 09:00 PM	43.4	44.8	n/a	43.9	-
09:00 PM - 10:00 PM	43.0	43.0	n/a	42.3	-
10:00 PM - 10:55 PM	42.2	42.6	-	37.3	-4.8
10:55 PM - 11:05 PM	42.1	42.4	-	n/a	-
11:05 PM - 11:15 PM	42.2	42.7	-	n/a	-
11:15 PM - 11:25 PM	41.8	43.0	-	43.0	-
11:25 PM - 11:35 PM	41.8	43.0	-	39.3	-3.8
11:35 PM - 11:45 PM	42.8	41.9	-	42.3	0.8
11:45 PM - 11:55 PM	41.8	41.9	-	42.3	0.9
11:55 PM - 12:05 PM	42.7	42.1	-	41.6	1.1
12:05 PM - 12:15 PM	44.1	42.1	-	42.8	1.4
12:15 PM - 12:25 PM	44.7	42.9	-	42.4	1.8
12:25 PM - 12:35 PM	45.0	42.9	-	42.1	3.7
12:35 PM - 12:45 PM	45.2	42.8	-	44.5	3.2
12:45 PM - 12:55 PM	45.0	42.9	-	44.8	3.4
12:55 PM - 1:05 PM	42.2	42.2	-	44.8	1.3
1:05 PM - 1:15 PM	44.9	42.6	-	42.2	1.8
1:15 PM - 1:25 PM	44.7	42.7	-	42.4	1.6
1:25 PM - 1:35 PM	45.3	42.3	-	42.6	2.7
1:35 PM - 1:45 PM	45.4	41.4	-	40.2	5.2
1:45 PM - 1:55 PM	44.6	41.8	-	41.2	3.2
1:55 PM - 2:05 PM	43.4	41.8	-	41.2	2.2
2:05 PM - 2:15 PM	43.4	42.4	-	44.3	1.0
2:15 PM - 2:25 PM	44.3	42.0	-	42.4	2.3
2:25 PM - 2:35 PM	46.3	42.5	-	46.6	3.4
2:35 PM - 2:45 PM	46.2	42.2	-	46.2	4.5
2:45 PM - 2:55 PM	42.0	41.8	-	48.4	7.1
2:55 PM - 3:05 PM	46.1	42.3	-	46.8	5.5

The above results are used only for the purpose of the project and are not to be used for any other purpose without the written consent of the laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any errors or omissions in the report.

Approved by

Kasem Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017243-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-10
Parameter เสียงรบกวน
Location ตำบลบ้านใหม่พัฒนา/หนองนา (GPS 48Q 277638, 1848807)
Measurement Date May 27 - 28, 2024
Measurement by Sangwan Natasat
Sound Level Meter 01173613

ตามเงื่อนไข (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนโดยประมาณ	เสียงรบกวน	ค่าตามเกณฑ์
12:05 AM - 12:15 AM	45.2	41.9	-	45.5	4.3
12:15 AM - 12:25 AM	46.0	41.2	-	47.3	6.7
12:25 AM - 12:35 AM	46.3	41.9	-	47.3	5.9
12:35 AM - 12:45 AM	46.6	41.2	-	44.5	3.6
12:45 AM - 12:55 AM	41.8	41.8	-	42.5	1.5
12:55 AM - 01:05 AM	44.0	42.0	-	42.7	1.3
01:05 AM - 01:15 AM	42.5	42.5	-	40.5	-1.1
01:15 AM - 01:25 AM	42.6	42.1	-	37.0	-4.5
01:25 AM - 01:35 AM	42.4	42.6	-	38.7	-2.8
01:35 AM - 01:45 AM	44.2	42.2	-	42.9	1.4
01:45 AM - 01:55 AM	46.0	41.8	-	46.9	4.2
01:55 AM - 02:05 AM	42.8	42.3	-	36.2	-5.1
02:05 AM - 02:15 AM	43.1	42.3	-	38.4	-3.1
02:15 AM - 02:25 AM	42.4	42.4	-	44.5	3.1
02:25 AM - 02:35 AM	42.7	41.9	-	42.8	0.8
02:35 AM - 02:45 AM	42.5	41.6	-	37.3	-2.7
02:45 AM - 02:55 AM	42.5	41.5	-	40.2	-1.3
02:55 AM - 03:05 AM	41.8	40.5	-	44.1	2.6
03:05 AM - 03:15 AM	41.1	41.1	-	41.8	1.8
03:15 AM - 03:25 AM	42.2	41.9	-	40.3	-2.7
03:25 AM - 03:35 AM	44.9	41.9	-	44.5	4.2
03:35 AM - 03:45 AM	42.2	41.6	-	41.1	0.6
03:45 AM - 03:55 AM	42.9	41.7	-	39.7	-1.5
03:55 AM - 04:05 AM	42.9	41.4	-	40.5	0.6
04:05 AM - 04:15 AM	44.3	41.5	-	44.1	2.6
04:15 AM - 04:25 AM	44.7	41.6	-	44.8	4.2
04:25 AM - 04:35 AM	44.8	42.2	-	45.8	4.0
04:35 AM - 04:45 AM	42.7	41.9	-	42.0	-1.2
04:45 AM - 04:55 AM	42.5	41.6	-	42.0	0.9
04:55 AM - 05:05 AM	42.5	42.0	-	41.2	-1.4
05:05 AM - 05:15 AM	42.6	42.6	-	45.0	3.7
05:15 AM - 05:25 AM	42.8	41.3	-	43.2	3.1
05:25 AM - 05:35 AM	42.9	40.6	-	42.0	2.2
05:35 AM - 05:45 AM	42.8	42.4	-	44.2	1.4
05:45 AM - 05:55 AM	45.0	40.9	-	45.9	6.4
05:55 AM - 06:05 AM	45.6	42.1	-	45.0	3.6
06:05 AM - 06:15 AM	44.7	40.5	-	46.1	3.4
06:15 AM - 06:25 AM	46.1	40.4	-	46.5	3.1
06:25 AM - 06:35 AM	45.0	39.8	-	46.4	3.1
06:35 AM - 06:45 AM	44.0	39.5	-	45.1	3.8

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Approved by

Kasem Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017243-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-10
Parameter เสียงรบกวน
Location ตำบลบ้านใหม่พัฒนา/หนองนา (GPS 48Q 277638, 1848807)
Measurement Date May 27 - 28, 2024
Measurement by Sangwan Natasat
Sound Level Meter 01173613

ตามเงื่อนไข (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนโดยประมาณ	เสียงรบกวน	ค่าตามเกณฑ์
03:25 AM - 03:35 AM	42.9	39.5	-	42.2	28.8
03:35 AM - 03:45 AM	43.1	37.0	-	44.0	26.1
03:45 AM - 03:55 AM	42.3	39.1	-	42.5	38.3
03:55 AM - 04:05 AM	42.7	38.9	-	43.4	37.5
04:05 AM - 04:15 AM	42.4	39.2	-	42.3	37.4
04:15 AM - 04:25 AM	42.9	37.7	-	44.3	36.9
04:25 AM - 04:35 AM	42.6	38.2	-	42.6	36.7
04:35 AM - 04:45 AM	42.7	38.3	-	44.2	36.8
04:45 AM - 04:55 AM	42.8	37.8	-	44.1	35.5
04:55 AM - 05:05 AM	42.6	37.9	-	45.2	36.4
05:05 AM - 05:15 AM	42.0	38.0	-	42.9	38.8
05:15 AM - 05:25 AM	43.0	40.1	-	42.9	38.8
05:25 AM - 05:35 AM	43.5	40.2	-	42.8	38.8
05:35 AM - 05:45 AM	44.7	39.9	-	46.0	39.3
05:45 AM - 05:55 AM	42.4	39.8	-	41.8	39.7
05:55 AM - 06:05 AM	41.3	40.2	-	37.8	39.6
06:05 AM - 06:15 AM	41.2	40.6	-	35.3	39.8
06:15 AM - 06:25 AM	42.9	42.9	-	40.1	-
06:25 AM - 06:35 AM	42.5	42.7	-	n/a	-
06:35 AM - 06:45 AM	42.2	42.5	-	n/a	-
06:45 AM - 06:55 AM	42.8	42.3	-	n/a	-
06:55 AM - 07:05 AM	42.5	42.5	-	n/a	-
07:05 AM - 07:15 AM	42.8	42.3	-	n/a	-
07:15 AM - 07:25 AM	42.5	42.3	-	n/a	-
07:25 AM - 07:35 AM	42.5	42.3	-	n/a	-
07:35 AM - 07:45 AM	42.5	42.3	-	n/a	-
07:45 AM - 07:55 AM	42.5	42.3	-	n/a	-
07:55 AM - 08:05 AM	42.5	42.3	-	n/a	-
08:05 AM - 08:15 AM	42.5	42.3	-	n/a	-
08:15 AM - 08:25 AM	42.5	42.3	-	n/a	-
08:25 AM - 08:35 AM	42.5	42.3	-	n/a	-
08:35 AM - 08:45 AM	42.5	42.3	-	n/a	-
08:45 AM - 08:55 AM	42.5	42.3	-	n/a	-
08:55 AM - 09:05 AM	42.5	42.3	-	n/a	-
09:05 AM - 09:15 AM	42.5	42.3	-	n/a	-
09:15 AM - 09:25 AM	42.5	42.3	-	n/a	-
09:25 AM - 09:35 AM	42.5	42.3	-	n/a	-
09:35 AM - 09:45 AM	42.5	42.3	-	n/a	-
09:45 AM - 09:55 AM	42.5	42.3	-	n/a	-
09:55 AM - 10:05 AM	42.5	42.3	-	n/a	-
10:05 AM - 10:15 AM	42.5	42.3	-	n/a	-
10:15 AM - 10:25 AM	42.5	42.3	-	n/a	-
10:25 AM - 10:35 AM	42.5	42.3	-	n/a	-
10:35 AM - 10:45 AM	42.5	42.3	-	n/a	-
10:45 AM - 10:55 AM	42.5	42.3	-	n/a	-
10:55 AM - 11:05 AM	42.5	42.3	-	n/a	-
11:05 AM - 11:15 AM	42.5	42.3	-	n/a	-
11:15 AM - 11:25 AM	42.5	42.3	-	n/a	-
11:25 AM - 11:35 AM	42.5	42.3	-	n/a	-
11:35 AM - 11:45 AM	42.5	42.3	-	n/a	-
11:45 AM - 11:55 AM	42.5	42.3	-	n/a	-
11:55 AM - 12:05 AM	42.5	42.3	-	n/a	-
12:05 AM - 12:15 AM	42.5	42.3	-	n/a	-

Reference Method:

1. In-house method: STH 06-001 based on ISO 1996-1:2016
2. In-house method: STH 06-001 based on ISO 1996-1:2016
3. In-house method: STH 06-001 based on ISO 1996-1:2016

Remarks:

1. เสียงรบกวนจากแหล่งกำเนิดเสียงรบกวนโดยประมาณ
2. เสียงรบกวนจากแหล่งกำเนิดเสียงรบกวนโดยประมาณ
3. เสียงรบกวนจากแหล่งกำเนิดเสียงรบกวนโดยประมาณ

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Approved by

Kasem Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017244-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-11
Parameter เสียงรบกวน
Location ตำบลบ้านใหม่พัฒนา/หนองนา (GPS 48Q 277638, 1848807)
Measurement Date May 28 - 29, 2024
Measurement by Sangwan Natasat
Sound Level Meter 01173613

ตามเงื่อนไข (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนโดยประมาณ		ค่าตามเกณฑ์การชุมชน	
			กลางวัน	กลางคืน		
07:00 AM - 08:00 AM	52.0	44.9	51.1	-	38.2	12.9
08:00 AM - 09:00 AM	45.6	43.4	41.6	-	37.1	8.5
09:00 AM - 10:00 AM	46.2	42.7	38.8	-	36.2	10.2
10:00 AM - 11:00 AM	47.4	41.7	45.0	-	36.0	9.0
11:00 AM - 12:00 PM	42.5	41.6	35.2	-	35.1	0.1
12:00 PM - 01:00 PM	42.5	41.8	37.3	-	34.2	-1.5
01:00 PM - 02:00 PM	42.3	40.1	38.1	-	35.0	1.3
02:00 PM - 03:00 PM	44.5	41.4	41.6	-	36.2	5.4
03:00 PM - 04:00 PM	46.0	41.9	41.9	-	37.7	4.2
04:00 PM - 05:00 PM	41.9	41.5	33.5	-	38.8	-5.5
05:00 PM - 06:00 PM	44.3	42.3	36.4	-	38.0	-1.6
06:00 PM - 07:00 PM	44.3	43.5	32.6	-	38.9	-0.7
07:00 PM - 08:00 PM	51.3	50.4	41.6	-	45.3	-1.7
08:00 PM - 09:00 PM	44.3	44.3	40.4	-	40.7	-0.7
09:00 PM - 10:00 PM	44.7	43.5	38.5	-	42.4	-1.9
10:00 PM - 11:00 PM	42.3	42.0	-	39.5	41.6	-0.1
11:00 PM - 12:00 AM	42.2	42.1	-	28.8	41.6	-12.8
12:00 AM - 01:00 AM	42.6	42.0	-	36.7	41.6	-4.9
01:00 AM - 02:00 AM	40.9	42.1	-	38.2	41.5	-3.3
02:00 AM - 03:00 PM	42.7	42.3	-	25.1	41.7	-4.6
03:00 PM - 04:00 PM	42.7	42.6	37.4	-	41.3	-1.9
04:00 PM - 05:00 PM	42.2	42.6	-	N/A	41.6	-
05:00 PM - 06:00 PM	42.5	42.1	-	24.9	41.5	-6.6
06:00 PM - 07:00 PM	42.2	42.4	-	N/A	41.8	-
07:00 PM - 08:00 PM	42.6	42.3	-	22.8	41.8	-8.0
08:00 PM - 09:00 PM	41.7	42.3	-	N/A	41.7	-
09:00 PM - 10:00 PM	42.1	43.0	-	N/A	42.2	-
10:00 PM - 11:00 PM	42.6	42.5	-	28.3	41.6	-12.4
11:00 PM - 12:00 AM	42.4	41.8	-	25.5	41.3	-24.6
12:00 AM - 01:00 PM	42.2	42.1	-	28.8	41.3	-12.5
01:00 PM - 02:00 PM	41.1	43.2	-	N/A	41.5	-
02:00 PM - 03:00 PM	41.1	41.2	38.8	-	41.5	-2.2
03:00 PM - 04:00 PM	42.0	45.3	-	N/A	41.8	-
04:00 PM - 05:00 PM	45.1	41.9	-	45.3	41.3	-4.0
05:00 PM - 06:00 PM	41.4	41.2	-	45.0	40.5	-5.5
06:00 PM - 07:00 PM	42.3	41.9	-	39.7	40.8	-6.1
07:00 PM - 08:00 PM	41.8	41.4	-	34.2	40.7	-4.5
08:00 PM - 09:00 PM	42.7	40.3	-	37.0	40.1	-3.1
09:00 PM - 10:00 PM	41.8	41.5	-	33.0	40.1	-1.9
10:00 PM - 11:00 PM	42.3	42.0	-	N/A	41.9	-



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017244-1

P/O : 421005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-11
Parameter เปรียบเทียบ
Location ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807)
Measurement Date May 28 - 29, 2024
Measurement by Sangmanee Naitalai
Sound Level Meter 01173613

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
12:05 AM - 12:10 AM	42.9	42.5	-	35.1	41.4	-4.1
12:10 AM - 12:15 AM	42.2	41.6	-	35.2	41.1	-4.8
12:15 AM - 12:20 AM	42.9	41.6	-	34.4	41.1	-6.7
12:20 AM - 12:25 AM	41.6	40.9	-	35.3	40.2	-3.9
12:25 AM - 12:30 AM	41.3	40.2	-	38.6	39.5	-0.9
12:30 AM - 12:35 AM	41.7	41.0	-	34.4	40.5	-1.7
12:35 AM - 12:40 AM	41.2	40.1	-	37.7	39.2	-1.5
12:40 AM - 12:45 AM	40.7	40.0	-	35.4	39.2	-3.8
12:45 AM - 12:50 AM	41.4	40.5	-	36.9	40.7	-
12:50 AM - 12:55 AM	44.0	41.4	-	40.5	40.1	3.4
12:55 AM - 01:00 AM	41.6	41.8	-	n/a	40.1	-
01:00 AM - 01:05 AM	42.1	41.0	-	39.8	39.8	0.0
01:05 AM - 01:10 AM	40.9	40.1	-	35.3	39.5	-1.4
01:10 AM - 01:15 AM	40.6	40.7	-	n/a	39.8	-
01:15 AM - 01:20 AM	41.8	39.8	-	37.8	38.8	-1.0
01:20 AM - 01:25 AM	40.9	38.7	-	38.5	38.0	1.9
01:25 AM - 01:30 AM	41.0	39.1	-	39.5	38.4	1.1
01:30 AM - 01:35 AM	40.2	38.4	-	38.5	37.7	0.8
01:35 AM - 01:40 AM	40.1	38.7	-	37.5	37.6	-0.4
01:40 AM - 01:45 AM	40.5	40.1	-	37.9	37.9	-0.5
01:45 AM - 01:50 AM	41.0	39.2	-	39.1	38.2	1.1
01:50 AM - 01:55 AM	41.0	39.0	-	38.7	38.0	1.7
01:55 AM - 02:00 AM	41.0	38.3	-	40.7	37.5	3.2
02:00 AM - 02:05 AM	40.2	37.9	-	39.3	37.8	2.3
02:05 AM - 02:10 AM	40.7	38.3	-	40.0	37.6	2.4
02:10 AM - 02:15 AM	40.4	40.1	-	31.5	37.7	-5.1
02:15 AM - 02:20 AM	39.6	40.4	-	n/a	40.4	-
02:20 AM - 02:25 AM	40.6	40.4	-	n/a	38.8	-
02:25 AM - 02:30 AM	40.6	43.2	-	n/a	38.6	-
02:30 AM - 02:35 AM	41.3	40.9	-	n/a	40.3	-
02:35 AM - 02:40 AM	41.3	41.4	-	n/a	40.1	-
02:40 AM - 02:45 AM	41.2	42.4	-	n/a	40.2	-
02:45 AM - 02:50 AM	41.4	41.4	-	n/a	40.5	-
02:50 AM - 02:55 AM	41.3	42.5	-	n/a	40.1	-
02:55 AM - 03:00 AM	41.4	41.1	-	37.8	38.2	-4.4
03:00 AM - 03:05 AM	41.1	37.8	-	38.2	37.8	-0.4
03:05 AM - 03:10 AM	40.6	39.7	-	36.3	37.7	-1.4
03:10 AM - 03:15 AM	40.4	39.3	-	36.9	37.8	-0.9
03:15 AM - 03:20 AM	40.7	39.8	-	36.4	38.8	-2.8
03:20 AM - 03:25 AM	40.9	39.1	-	39.2	37.4	1.8

The above results are valid only for the analytical method specified in this report. No part of this report or certificate may be reproduced in any form without written consent from the laboratory. All Laboratory Group (Pharmaceutical) strongly recommends that this report is not reproduced except in full.

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017244-1

P/O : 421005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-11
Parameter เปรียบเทียบ
Location ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807)
Measurement Date May 28 - 29, 2024
Measurement by Sangmanee Naitalai
Sound Level Meter 01173613

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
03:25 AM - 03:30 AM	41.6	39.9	-	39.7	37.9	1.8
03:30 AM - 03:35 AM	41.2	39.5	-	38.3	37.9	0.6
03:35 AM - 03:40 AM	41.3	41.0	-	24.9	37.0	-4.1
03:40 AM - 03:45 AM	41.7	42.6	-	n/a	40.0	-
03:45 AM - 03:50 AM	42.1	42.8	-	n/a	42.7	-
03:50 AM - 03:55 AM	42.5	44.5	-	n/a	42.9	-
03:55 AM - 04:00 AM	42.9	44.1	-	n/a	44.1	-
04:00 AM - 04:05 AM	42.5	43.5	-	n/a	41.4	-
04:05 AM - 04:10 AM	42.3	42.3	-	38.8	38.3	0.3
04:10 AM - 04:15 AM	41.4	39.4	-	40.1	37.4	2.7
04:15 AM - 04:20 AM	40.7	39.8	-	36.4	37.8	-1.4
04:20 AM - 04:25 AM	41.2	40.4	-	36.5	38.0	-1.5
04:25 AM - 04:30 AM	42.4	39.5	-	42.3	38.0	4.3
04:30 AM - 04:35 AM	41.1	41.6	-	n/a	38.9	-
04:35 AM - 04:40 AM	41.5	40.8	-	38.2	39.2	-3.0
04:40 AM - 04:45 AM	41.8	40.3	-	39.5	38.3	1.8
04:45 AM - 04:50 AM	41.6	40.0	-	39.5	38.4	1.1
04:50 AM - 04:55 AM	43.1	40.5	-	42.6	39.2	3.4
04:55 AM - 05:00 AM	43.7	41.3	-	43.0	38.7	4.1
05:00 AM - 05:05 AM	43.1	43.7	-	n/a	39.9	-
05:05 AM - 05:10 AM	44.2	42.0	-	n/a	40.9	-
05:10 AM - 05:15 AM	44.1	44.2	-	50.4	41.2	8.1
05:15 AM - 05:20 AM	44.6	44.6	-	48.6	41.4	6.1
05:20 AM - 05:25 AM	51.8	46.3	-	53.4	43.4	10.0
05:25 AM - 05:30 AM	52.4	46.4	-	54.1	43.2	9.0
05:30 AM - 05:35 AM	48.1	44.1	-	54.8	41.4	-7.4
05:35 AM - 05:40 AM	46.9	43.3	-	44.8	37.8	3.8
05:40 AM - 05:45 AM	46.5	48.5	-	n/a	41.4	-
05:45 AM - 05:50 AM	45.1	46.0	-	n/a	38.5	-
05:50 AM - 05:55 AM	45.8	46.9	-	n/a	42.7	-
05:55 AM - 06:00 AM	46.6	45.1	-	44.3	39.8	4.5
06:00 AM - 07:00 AM	46.4	48.1	n/a	-	40.8	6.0

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2018
2. มาตรฐานของกรมการแพทย์ (ภาควิชาโรคพิษงูและโรคพิษแมลงสัตว์กัดต่อย) 24 มีนาคม 2567 และฉบับแก้ไขเพิ่มเติม (ฉบับแก้ไขเพิ่มเติมที่ 1) 2567

หมายเหตุ :

1. เป็นการตรวจวัดเสียงรบกวนจากโรงงาน (Factory) ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807) ในวันที่ 28-29 พฤษภาคม 2567
2. เป็นการตรวจวัดเสียงรบกวนจากโรงงาน (Factory) ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807) ในวันที่ 28-29 พฤษภาคม 2567
3. ค่าเสียงรบกวนจากโรงงาน (Factory) ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807) ในวันที่ 28-29 พฤษภาคม 2567

Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017245-1

P/O : 421005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-12
Parameter เปรียบเทียบ
Location ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807)
Measurement Date May 29 - 30, 2024
Measurement by Sangmanee Naitalai
Sound Level Meter 01173613

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัวเครื่อง	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
07:00 AM - 08:00 AM	46.4	43.9	42.8	-	37.6	4.9
08:00 AM - 09:00 AM	46.3	44.1	42.3	-	37.5	8.9
09:00 AM - 10:00 AM	45.0	41.0	42.8	-	35.9	9.9
10:00 AM - 11:00 AM	45.9	41.1	42.7	-	35.1	7.6
11:00 AM - 12:00 PM	43.9	42.2	39.0	-	34.4	4.6
12:00 PM - 01:00 PM	40.2	40.4	32.5	-	34.2	-1.7
01:00 PM - 02:00 PM	42.7	39.9	41.4	-	33.6	7.8
02:00 PM - 03:00 PM	45.9	39.5	44.8	-	34.7	10.1
03:00 PM - 04:00 PM	42.5	40.3	38.5	-	31.5	5.9
04:00 PM - 05:00 PM	41.9	41.0	34.6	-	34.8	-0.2
05:00 PM - 06:00 PM	43.8	41.3	39.9	-	36.9	2.0
06:00 PM - 07:00 PM	42.6	41.2	36.0	-	37.5	0.5
07:00 PM - 08:00 PM	39.8	41.2	30.3	-	39.3	11.0
08:00 PM - 09:00 PM	48.9	41.0	48.1	-	38.7	9.4
09:00 PM - 10:00 PM	48.7	43.8	47.0	-	39.2	7.8
10:00 PM - 10:05 PM	47.1	37.5	49.6	-	35.5	13.1
10:05 PM - 10:10 PM	51.8	38.2	-	54.6	37.2	17.4
10:10 PM - 10:15 PM	52.5	38.2	-	55.3	37.3	18.0
10:15 PM - 10:20 PM	51.6	38.6	-	54.4	37.7	16.7
10:20 PM - 10:25 PM	51.5	39.1	-	54.2	38.1	16.3
10:25 PM - 10:30 PM	52.3	40.0	-	55.0	38.7	16.3
10:30 PM - 10:35 PM	53.0	39.7	-	54.4	37.4	16.7
10:35 PM - 10:40 PM	48.1	40.5	-	51.6	39.4	12.4
10:40 PM - 10:45 PM	44.1	40.5	-	49.5	39.5	5.1
10:45 PM - 10:50 PM	44.9	41.4	-	45.3	40.2	5.1
10:50 PM - 10:55 PM	45.3	41.5	-	46.3	39.8	5.5
10:55 PM - 11:00 PM	44.9	40.8	-	42.9	35.6	8.9
11:00 PM - 11:05 PM	44.4	42.0	-	43.7	40.7	4.0
11:05 PM - 11:10 PM	44.7	41.1	-	45.2	40.8	4.8
11:10 PM - 11:15 PM	44.5	41.3	-	44.7	40.4	4.3
11:15 PM - 11:20 PM	44.8	40.5	-	45.8	39.7	6.1
11:20 PM - 11:25 PM	40.9	39.5	-	42.2	39.6	2.6
11:25 PM - 11:30 PM	42.1	39.1	-	39.1	38.9	2.8
11:30 PM - 11:35 PM	41.1	40.5	-	35.2	39.7	-4.5
11:35 PM - 11:40 PM	41.5	40.2	-	38.6	39.3	-0.7
11:40 PM - 11:45 PM	40.4	40.4	-	42.8	40.4	3.1
11:45 PM - 11:50 PM	43.2	41.4	-	42.8	40.8	2.0
11:50 PM - 11:55 PM	45.0	41.6	-	45.3	41.0	4.3
11:55 PM - 12:00 AM	44.6	41.3	-	44.9	40.5	4.1
12:00 AM - 12:05 AM	44.6	41.5	-	44.7	40.6	4.1

The above results are valid only for the analytical method specified in this report. No part of this report or certificate may be reproduced in any form without written consent from the laboratory. All Laboratory Group (Pharmaceutical) strongly recommends that this report is not reproduced except in full.

Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017245-1

P/O : 421005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-12
Parameter เปรียบเทียบ
Location ในพื้นที่ใกล้ทางแยกถนน (GPS 48Q 277638, 1888807)
Measurement Date May 29 - 30, 2024
Measurement by Sangmanee Naitalai
Sound Level Meter 01173613

เวลา	เสียงจาก บนตัวเครื่อง	เสียงจาก ไมโครโฟน	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่าเฉลี่ย
			กลางวัน	กลางคืน		
17:05 AM - 12:10 AM	44.9	41.2	-	45.5	40.6	4.9
12:10 AM - 12:15 AM	44.9	41.9	-	44.9	41.1	3.8
12:15 AM - 12:20 AM	45.0	40.8	-	45.9	40.1	3.8
12:20 AM - 12:25 AM	44.6	41.5	-	44.7	40.9	3.8
12:25 AM - 12:30 AM	42.3	42.3	-	43.2	41.4	1.6
12:30 AM - 12:35 AM	44.7	42.8	-	44.4	41.5	2.3
12:35 AM - 12:40 AM	44.2	42.4	-	43.8	40.7	3.1
12:40 AM - 12:45 AM	43.8	40.0	-	44.2	39.5	4.7
12:45 AM - 12:50 AM	42.8	40.4	-	42.1	39.3	2.8
12:50 AM - 12:55 AM	41.3	41.8	-	40.6	40.1	0.7
12:55 AM - 01:00 AM	42.7	41.2	-	40.4	40.0	0.4
01:00 AM - 01:05 AM	40.5	41.3	-	40.3	40.5	-
01:05 AM - 01:10 AM	42.4	40.0	-	40.9	41.7	-
01:10 AM - 01:15 AM	44.1	41.9	-	43.1	40.6	3.5
01:15 AM - 01:20 AM	42.7	41.4	-	39.8	40.7	-0.9
01:20 AM - 01:25 AM	41.4	41.4	-	40.9	40.3	-
01:25 AM - 01:30 AM	41.3	39.5	-	39.6	38.9	-
01:30 AM - 01:35 AM	41.8	39.5	-	40.9	38.4	2.5
01:35 AM - 01:40 AM	42.2	37.9	-	44.0	36.8	7.2
01:40 AM - 01:45 AM	42.2	36.8	-	43.9	36.0	7.6
01:45 AM - 01:50 AM	43.5	37.2	-	45.3	36.3	9.0
01:50 AM - 01:55 AM	43.9	37.4	-	45.8	36.7	9.1
01:55 AM - 02:00 AM	44.3	39.0	-	45.8	38.0	9.8
02:00 AM - 02:05 AM	43.7	38.4	-	45.2	37.5	7.7
02:05 AM - 02:10 AM	43.6	38.8	-	44.9	37.9	7.0
02:10 AM - 02:15 AM	43.1	38.0	-	44.5	37.1	7.4
02:15 AM - 02:20 AM	43.2	37.5	-	44.8	36.9	7.9
02:20 AM - 02:25 AM	42.9	37.7	-	44.2	36.9	7.9
02:25 AM - 02:30 AM	42.7	37.2	-	44.7	35.8	9.7
02:30 AM - 02:35 AM	42.9	38.4	-	44.8	35.3	9.5
02:35 AM - 02:40 AM	43.2	38.5	-	45.3	35.6	9.7
02:40 AM - 02:45 AM	43.5	38.4	-	45.6	35.7	9.9
02:45 AM - 02:50 AM	44.1	37.5	-	46.0	36.2	9.8
02:50 AM - 02:55 AM	43.5	38.0	-	45.1	36.0	9.1
02:55 AM - 03:00 AM	43.9	38.5	-	44.5	35.9	8.7
03:00 AM - 03:05 AM	42.1	36.9	-	43.5	35.9	7.6
03:05 AM - 03:10 AM	42.1	37.1	-	43.4	36.2	7.2
03:10 AM - 03:15 AM	41.5	36.3	-	42.9	34.8	8.1
03:15 AM - 03:20 AM	41.3	36.5	-	42.6	34.5	7.8
03:20 AM - 03:25 AM	42.5	36.8	-	44.1	34.5	9.6



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017245-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-12
Parameter : เสร็จสมบูรณ์
Location : ตู้เก็บน้ำใต้ดิน/บ่อเก็บน้ำ (GPS 48Q 277638, 1888807)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173613

เวลา	เสียงจาก แหล่งกำเนิด	เสียงรบกวน โดยประมาณ	ระดับเสียง (dB(A))		เสียงที่ตรวจ พบ	ค่ามาตรฐาน การควบคุม
			ค่าจริง	ค่าเฉลี่ย		
03:25 AM - 03:30 AM	42.2	35.4	-	42.2	34.3	3.5
03:30 AM - 03:35 AM	40.5	35.2	-	40.0	34.4	2.6
03:35 AM - 03:40 AM	40.2	35.7	-	41.3	34.5	6.8
03:40 AM - 03:45 AM	40.2	35.8	-	41.4	34.5	6.9
03:45 AM - 03:50 AM	40.1	36.4	-	40.7	35.7	5.0
03:50 AM - 03:55 AM	39.5	36.3	-	39.7	35.4	4.3
03:55 AM - 04:00 AM	39.7	37.2	-	39.1	34.9	4.2
04:00 AM - 04:05 AM	40.8	36.7	-	41.7	34.7	7.0
04:05 AM - 04:10 AM	40.0	35.0	-	40.1	34.5	2.6
04:10 AM - 04:15 AM	40.7	35.9	-	40.0	34.5	2.5
04:15 AM - 04:20 AM	40.3	36.3	-	39.7	34.5	5.2
04:20 AM - 04:25 AM	41.2	36.2	-	41.2	34.6	6.6
04:25 AM - 04:30 AM	40.8	36.3	-	40.2	34.9	5.3
04:30 AM - 04:35 AM	40.4	37.6	-	39.9	34.5	5.4
04:35 AM - 04:40 AM	40.4	37.6	-	41.3	34.4	6.9
04:40 AM - 04:45 AM	41.0	38.9	-	39.8	36.1	3.7
04:45 AM - 04:50 AM	40.9	38.5	-	40.2	35.1	5.1
04:50 AM - 04:55 AM	41.0	37.8	-	41.2	35.2	6.0
04:55 AM - 05:00 AM	41.4	39.1	-	40.5	35.7	4.8
05:00 AM - 05:05 AM	42.6	50.1	-	41.9	36.7	-
05:05 AM - 05:10 AM	43.1	41.3	-	41.4	38.0	2.6
05:10 AM - 05:15 AM	51.8	44.9	-	53.0	41.1	12.7
05:15 AM - 05:20 AM	53.1	47.9	-	53.0	43.5	9.5
05:20 AM - 05:25 AM	52.2	48.4	-	52.9	43.3	9.6
05:25 AM - 05:30 AM	48.2	46.6	-	48.1	43.2	2.8
05:30 AM - 05:35 AM	47.2	47.0	-	36.7	43.5	5.8
05:35 AM - 05:40 AM	47.7	48.7	-	41.9	42.0	-
05:40 AM - 05:45 AM	46.7	46.7	-	42.4	42.8	0.8
05:45 AM - 05:50 AM	46.8	45.1	-	44.9	41.8	3.1
05:50 AM - 05:55 AM	46.1	43.2	-	49.4	38.9	10.5
05:55 AM - 06:00 AM	44.3	42.0	-	41.7	39.2	5.1
06:00 AM - 07:00 AM	45.3	45.3	37.0	-	38.7	-1.7
						6.18

Reference Method :
1. In house method : STM 66-001 based on ISO 1996-1 : 2016
2. อุปกรณ์ที่ใช้ในการตรวจวัด : เครื่องวัดระดับเสียงแบบพกพา รุ่น 2431A ของบริษัท สอนิเตอร์ เทคโนโลยี จำกัด (มหาชน) ปี พ.ศ. 2567
หมายเหตุ :
1. อุปกรณ์ที่ใช้ในการตรวจวัด : เครื่องวัดระดับเสียงแบบพกพา รุ่น 2431A ของบริษัท สอนิเตอร์ เทคโนโลยี จำกัด (มหาชน) ปี พ.ศ. 2567
2. ข้อมูลที่ได้จากการตรวจวัด : ข้อมูลที่ได้จากการตรวจวัดระดับเสียงแบบพกพา รุ่น 2431A ของบริษัท สอนิเตอร์ เทคโนโลยี จำกัด (มหาชน) ปี พ.ศ. 2567
3. n/a : ไม่สามารถตรวจวัดได้เนื่องจากอุปกรณ์ที่ใช้ในการตรวจวัดระดับเสียงแบบพกพา รุ่น 2431A ของบริษัท สอนิเตอร์ เทคโนโลยี จำกัด (มหาชน) ปี พ.ศ. 2567

The client hereby certifies that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.

Approved by

Kasorn Anuk
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017246-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 1

Sample No. 2454490-13
Parameter : เสร็จสมบูรณ์
Location : ตู้เก็บน้ำใต้ดิน/บ่อเก็บน้ำ (GPS 48Q 277638, 1888807)
Measurement Date : May 29 - 31, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173613

เวลา	เสียงจาก แหล่งกำเนิด	เสียงรบกวน โดยประมาณ	ระดับเสียง (dB(A))		เสียงที่ตรวจ พบ	ค่ามาตรฐาน การควบคุม
			ค่าจริง	ค่าเฉลี่ย		
07:00 AM - 08:00 AM	46.8	43.7	43.9	-	37.9	6.0
08:00 AM - 09:00 AM	45.8	41.2	43.9	-	35.2	8.7
09:00 AM - 10:00 AM	41.9	43.0	43.0	-	37.1	-
10:00 AM - 11:00 AM	44.3	43.3	37.8	-	34.8	3.0
11:00 AM - 12:00 PM	42.2	41.5	33.9	-	34.4	-0.5
12:00 PM - 01:00 PM	43.6	42.5	40.7	-	34.8	5.9
01:00 PM - 02:00 PM	42.9	41.3	39.2	-	34.4	3.4
02:00 PM - 03:00 PM	43.3	41.5	34.6	-	33.8	6.8
03:00 PM - 04:00 PM	42.7	41.4	36.8	-	33.6	3.2
04:00 PM - 05:00 PM	41.9	38.6	39.0	-	33.1	5.9
05:00 PM - 06:00 PM	45.3	41.9	42.6	-	35.1	7.5
06:00 PM - 07:00 PM	45.8	44.1	40.9	-	35.5	4.8
07:00 PM - 08:00 PM	50.2	45.0	48.2	-	43.4	14.8
08:00 PM - 09:00 PM	56.2	44.8	56.4	-	43.2	13.1
09:00 PM - 10:00 PM	56.0	43.8	55.7	-	43.5	13.1
10:00 PM - 11:00 PM	57.3	42.8	-	60.1	41.8	18.3
11:00 PM - 12:00 PM	56.3	42.5	-	59.1	41.5	17.5
12:00 PM - 01:00 PM	56.2	43.3	-	59.0	41.8	17.2
01:00 PM - 02:00 PM	55.9	42.7	-	58.7	41.3	17.4
02:00 PM - 03:00 PM	56.2	42.4	-	59.0	41.5	17.5
03:00 PM - 04:00 PM	56.7	42.5	-	59.5	41.9	17.6
04:00 PM - 05:00 PM	55.7	43.0	-	58.5	42.2	16.3
05:00 PM - 06:00 PM	42.1	42.4	-	42.0	42.0	-
06:00 PM - 07:00 PM	41.9	42.7	-	40.7	42.1	-1.4
07:00 PM - 08:00 PM	47.0	42.9	-	47.9	42.4	5.5
08:00 PM - 09:00 PM	42.5	41.4	-	39.0	29.8	-8.2
09:00 PM - 10:00 PM	42.9	40.9	-	38.9	29.7	-8.2
10:00 PM - 11:00 PM	42.6	41.1	-	40.3	40.1	0.2
11:00 PM - 12:00 PM	46.4	41.9	-	47.5	38.7	8.8
12:00 PM - 01:00 PM	45.5	42.8	-	47.8	40.7	7.0
01:00 PM - 02:00 PM	44.7	41.6	-	44.8	40.5	2.9
02:00 PM - 03:00 PM	43.3	40.6	-	43.0	38.1	6.9
03:00 PM - 04:00 PM	35.2	40.5	-	38.1	38.8	0.3
04:00 PM - 05:00 PM	60.5	42.9	-	63.4	38.9	24.5
05:00 PM - 06:00 PM	57.5	43.2	-	60.3	39.6	20.7
06:00 PM - 07:00 PM	43.7	45.8	-	40.9	39.8	-
07:00 PM - 08:00 PM	41.8	43.5	-	43.5	39.8	3.5
08:00 PM - 09:00 PM	43.8	41.1	-	43.5	39.8	3.7
09:00 PM - 10:00 PM	46.4	42.6	-	47.1	40.7	6.8
10:00 PM - 11:00 PM	45.1	43.5	-	43.0	42.6	0.4

The client hereby certifies that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.

Approved by

Kasorn Anuk
Senior Manager

ADDRESS: 104 Phatthanakarn Rd., Phatthanakarn Rd., Khwaeng Phatthanakarn, Khet Suan Luang, Bangkok 10250 Thailand | P.O. Box: 466 @ 2760 3100 | T +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017246-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-13
Parameter : เสร็จสมบูรณ์
Location : ตู้เก็บน้ำใต้ดิน/บ่อเก็บน้ำ (GPS 48Q 277638, 1888807)
Measurement Date : May 29 - 31, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173613

เวลา	เสียงจาก แหล่งกำเนิด	เสียงรบกวน โดยประมาณ	ระดับเสียง (dB(A))		เสียงที่ตรวจ พบ	ค่ามาตรฐาน การควบคุม
			ค่าจริง	ค่าเฉลี่ย		
12:05 AM - 12:10 AM	44.2	43.8	-	41.8	42.4	-1.4
12:10 AM - 12:15 AM	44.2	43.0	-	41.8	42.4	-1.4
12:15 AM - 12:20 AM	45.7	42.1	-	46.2	40.9	5.3
12:20 AM - 12:25 AM	44.4	42.6	-	44.2	40.9	3.3
12:25 AM - 12:30 AM	44.7	43.5	-	43.0	40.0	2.9
12:30 AM - 12:35 AM	42.5	42.1	-	42.5	41.2	1.3
12:35 AM - 12:40 AM	44.0	42.1	-	42.5	41.4	1.1
12:40 AM - 12:45 AM	42.3	41.2	-	42.3	40.3	1.8
12:45 AM - 12:50 AM	43.0	41.9	-	39.6	40.4	-10.8
12:50 AM - 12:55 AM	42.7	41.8	-	38.4	41.1	-2.7
12:55 AM - 01:00 AM	42.5	42.3	-	33.7	40.7	-8.7
01:00 AM - 01:05 AM	42.5	42.3	-	N/A	42.1	-
01:05 AM - 01:10 AM	41.5	43.1	-	N/A	41.7	-
01:10 AM - 01:15 AM	43.0	43.1	-	N/A	42.1	-
01:15 AM - 01:20 AM	42.8	43.9	-	N/A	41.6	-
01:20 AM - 01:25 AM	41.8	43.6	-	N/A	42.5	-
01:25 AM - 01:30 AM	41.6	43.8	-	N/A	43.1	-
01:30 AM - 01:35 AM	41.6	43.5	-	N/A	41.7	-
01:35 AM - 01:40 AM	40.8	43.8	-	N/A	41.7	-
01:40 AM - 01:45 AM	41.3	44.5	-	N/A	42.1	-
01:45 AM - 01:50 AM	43.7	42.0	-	41.8	42.5	-
01:50 AM - 01:55 AM	45.6	42.1	-	42.5	41.4	1.4
01:55 AM - 02:00 AM	46.4	41.9	-	42.5	41.2	1.5
02:00 AM - 02:05 AM	46.2	42.7	-	46.6	42.0	4.6
02:05 AM - 02:10 AM	45.1	42.7	-	45.5	42.5	3.0
02:10 AM - 02:15 AM	45.4	43.3	-	44.7	42.7	1.5
02:15 AM - 02:20 AM	45.6	43.8	-	43.9	42.7	1.2
02:20 AM - 02:25 AM	46.1	43.1	-	46.7	42.5	4.2
02:25 AM - 02:30 AM	46.4	43.1	-	46.7	42.2	4.4
02:30 AM - 02:35 AM	43.1	42.7	-	35.5	42.2	-6.7
02:35 AM - 02:40 AM	42.0	41.8	-	37.3	39.5	-2.2
02:40 AM - 02:45 AM	41.8	41.8	-	42.4	37.8	5.6
02:45 AM - 02:50 AM	41.9	38.7	-	42.1	37.3	4.8
02:50 AM - 02:55 AM	43.2	39.8	-	42.5	38.5	4.2
02:55 AM - 03:00 AM	42.4	39.1	-	42.8	38.3	4.5
03:00 AM - 03:05 AM	43.0	39.5	-	43.4	38.7	4.7
03:05 AM - 03:10 AM	44.8	39.2	-	41.0	39.0	6.0
03:10 AM - 03:15 AM	42.7	39.7	-	41.0	39.1	2.5
03:15 AM - 03:20 AM	41.8	39.3	-	41.2	38.7	2.5

The client hereby certifies that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.
We warrant that the data and results are true and correct and that the data and results are not falsified or manipulated in any way.

Approved by

Kasorn Anuk
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017246-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-13
Parameter : เสร็จสมบูรณ์
Location : ตู้เก็บน้ำใต้ดิน/บ่อเก็บน้ำ (GPS 48Q 277638, 1888807)
Measurement Date : May 29 - 31, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 01173613

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณโดยผู้ตรวจ	ระดับเสียง (dB(A))		เสียงที่ตรวจพบ	ค่ามาตรฐานการควบคุม
			ค่าจริง	ค่าเฉลี่ย		
03:25 AM - 03:30 AM	41.8	39.9	-	37.5	38.8	-3.3
03:30 AM - 03:35 AM	42.1	39.4	-	41.8	38.6	3.2
03:35 AM - 03:40 AM	41.9	43.8	-	N/A	39.0	-
03:40 AM - 03:45 AM	42.5	38.8	-	43.1	37.4	5.7
03:45 AM - 03:50 AM	42.1	38.8	-	42.4	37.7	4.7
03:50 AM - 03:55 AM	44.3	38.6	-	46.1	37.5	8.6
03:55 AM - 04:00 AM	43.1	38.6	-	44.5	37.8	6.7
04:00 AM - 04:05 AM	43.6	38.7	-	44.9	37.9	7.0
04:05 AM - 04:10 AM	43.3	37.3	-	44.6	37.3	7.3
04:10 AM - 04:15 AM	43.3	37.3	-	44.9	37.5	9.4
04:15 AM - 04:20 AM	44.0	37.9	-	45.8	35.6	9.1
04:20 AM - 04:25 AM	43.2	38.2	-	44.5	36.4	7.9
04:25 AM - 04:30 AM	43.0	37.4	-	45.5	36.5	9.0
04:30 AM - 04:35 AM	41.3	38.2	-	41.4	36.8	4.6
04:35 AM - 04:40 AM	40.8	37.8	-	40.8	36.6	4.2
04:40 AM - 04:45 AM	42.4	38.4	-	43.9	36.6	7.7
04:45 AM - 04:50 AM	42.3	38.3	-	43.2	35.3	9.9
04:50 AM - 04:55 AM	40.8	36.8	-	41.6	35.3	6.3
04:55 AM - 05:00 AM	41.8	37.6	-	41.1	35.2	7.9
05:00 AM - 05:05 AM	41.0	36.5	-	44.0	34.9	15.6
05:05 AM - 05:10 AM	40.6	37.2	-	48.2	35.3	17.9
05:10 AM - 05:15 AM	41.8	37.5	-	45.6	35.5	18.1
05:15 AM - 05:20 AM	42.5	37.9	-	42.7	36.5	15.2
05:20 AM - 05:25 AM	42.1	38.1	-	49.6	36.7	17.9
05:25 AM - 05:30 AM	45.8	38.9	-	51.0	35.9	14.1
05:30 AM - 05:35 AM	48.9	40.2	-	49.4	37.1	18.3
05:35 AM - 05:40 AM	46.3	39.8	-	48.3	38.6	10.6
05:40 AM - 05:45 AM	44.4	35.5	-	44.9	38.0	-
05:45 AM - 05:50 AM	45.6	43.3	-	44.7	39.9	5.8
05:50 AM - 05:55 AM	42.4	41.2	-	47.8	39.7	8.2
05:55 AM - 06:00 AM	44.1	40.0	-	N/A	41.1	-
06:00 AM - 07:00 AM	46.9	48.6	N/A	-	41.2	-



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017249-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-15
Parameter (เอทานอล)
Location (ตำบลบ้านนาหว้า) (GPS 40Q 279854, 189320)
Measurement Date May 25 - 26, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัววัด	เสียงจากตัววัด		เสียงรบกวน	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย		
12:15 AM - 12:20 AM	48.7	46.9	-	49.4	41.3	6.1
12:20 AM - 12:25 AM	46.9	42.2	-	47.5	41.4	6.1
12:25 AM - 12:30 AM	46.4	42.9	-	45.8	41.7	6.1
12:30 AM - 12:35 AM	47.4	44.8	-	46.9	41.9	5.8
12:35 AM - 12:40 AM	49.9	45.1	-	51.2	42.2	9.6
12:40 AM - 12:45 AM	47.9	43.2	-	49.1	41.3	7.8
12:45 AM - 12:50 AM	47.1	43.1	-	45.8	42.5	1.2
12:50 AM - 12:55 AM	48.3	45.1	-	48.5	43.4	5.1
12:55 AM - 01:00 AM	46.9	43.9	-	46.9	41.0	5.9
01:00 AM - 01:05 AM	47.2	44.2	-	46.2	43.1	3.1
01:05 AM - 01:10 AM	46.9	43.6	-	44.0	42.9	1.1
01:10 AM - 01:15 AM	47.1	44.4	-	46.8	42.9	3.9
01:15 AM - 01:20 AM	47.3	44.1	-	47.5	40.8	6.7
01:20 AM - 01:25 AM	46.9	44.4	-	46.3	40.0	6.3
01:25 AM - 01:30 AM	48.4	44.1	-	49.4	41.6	6.8
01:30 AM - 01:35 AM	48.6	44.0	-	49.8	41.0	7.8
01:35 AM - 01:40 AM	47.5	44.2	-	47.8	41.2	6.6
01:40 AM - 01:45 AM	48.8	43.2	-	50.4	40.9	9.5
01:45 AM - 01:50 AM	50.9	45.1	-	52.6	40.7	11.9
01:50 AM - 01:55 AM	45.7	42.5	-	45.9	40.8	5.9
01:55 AM - 02:00 AM	46.7	42.9	-	47.5	40.2	6.8
02:00 AM - 02:05 AM	46.0	43.6	-	45.3	41.9	3.4
02:05 AM - 02:10 AM	46.5	42.9	-	47.0	40.7	6.3
02:10 AM - 02:15 AM	46.1	42.7	-	46.4	40.1	6.1
02:15 AM - 02:20 AM	46.5	43.5	-	46.5	40.1	6.4
02:20 AM - 02:25 AM	46.4	42.4	-	47.2	39.8	7.4
02:25 AM - 02:30 AM	46.9	42.6	-	46.3	40.6	5.7
02:30 AM - 02:35 AM	46.9	42.8	-	48.1	39.6	8.5
02:35 AM - 02:40 AM	44.7	40.6	-	43.2	40.6	2.6
02:40 AM - 02:45 AM	45.6	43.1	-	45.0	40.0	5.0
02:45 AM - 02:50 AM	46.3	44.3	-	45.0	42.5	4.5
02:50 AM - 02:55 AM	47.4	44.2	-	47.6	41.1	6.5
02:55 AM - 03:00 AM	47.5	45.3	-	46.5	40.1	6.4
03:00 AM - 03:05 AM	49.9	45.9	-	51.9	40.8	11.1
03:05 AM - 03:10 AM	46.5	42.2	-	46.8	40.7	5.5
03:10 AM - 03:15 AM	46.3	44.4	-	44.8	40.1	6.7
03:15 AM - 03:20 AM	46.9	43.2	-	50.1	41.1	9.0
03:20 AM - 03:25 AM	46.8	42.8	-	50.1	40.4	9.7
03:25 AM - 03:30 AM	48.0	44.0	-	48.8	40.9	7.9
03:30 AM - 03:35 AM	48.7	44.8	-	50.0	40.4	9.6

The above results are valid only for the stated test conditions. It is not intended to be used for any other purpose. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any misuse of the results.

Approved by

Kasat Phol
Kasat Phol
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017249-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-15
Parameter (เอทานอล)
Location (ตำบลบ้านนาหว้า) (GPS 40Q 279854, 189320)
Measurement Date May 25 - 26, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัววัด	เสียงจากตัววัด		เสียงรบกวน	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย		
02:35 AM - 02:40 AM	47.2	44.9	-	47.5	40.9	6.6
02:40 AM - 02:45 AM	49.5	41.4	-	51.8	38.4	13.4
02:45 AM - 02:50 AM	46.6	43.9	-	48.1	38.8	11.3
02:50 AM - 02:55 AM	47.6	41.2	-	47.1	40.6	6.5
02:55 AM - 03:00 AM	48.0	42.7	-	49.5	39.7	10.3
03:00 AM - 03:05 AM	46.2	43.7	-	45.6	40.1	5.5
03:05 AM - 03:10 AM	46.0	42.5	-	46.4	38.7	7.3
03:10 AM - 03:15 AM	46.4	43.6	-	46.2	40.9	5.3
03:15 AM - 03:20 AM	46.5	42.1	-	47.5	39.2	8.3
03:20 AM - 03:25 AM	47.1	42.6	-	48.2	39.8	8.4
03:25 AM - 03:30 AM	46.9	43.7	-	46.9	40.6	6.5
03:30 AM - 03:35 AM	47.0	43.2	-	47.2	39.6	8.7
03:35 AM - 03:40 AM	46.4	43.6	-	46.2	39.1	7.1
03:40 AM - 03:45 AM	46.9	44.4	-	45.5	41.6	6.9
03:45 AM - 03:50 AM	47.9	42.8	-	49.3	40.1	9.2
03:50 AM - 03:55 AM	48.4	44.7	-	49.0	39.9	9.1
03:55 AM - 04:00 AM	48.8	44.2	-	50.0	40.8	9.2
04:00 AM - 04:05 AM	47.0	45.1	-	45.5	41.9	3.6
04:05 AM - 04:10 AM	47.3	46.5	-	46.4	42.2	0.4
04:10 AM - 04:15 AM	49.1	46.8	-	46.3	42.9	-2.6
04:15 AM - 04:20 AM	51.2	50.5	-	45.9	44.8	1.1
04:20 AM - 04:25 AM	51.2	49.8	-	48.6	45.0	3.6
04:25 AM - 04:30 AM	50.8	49.8	-	46.9	45.2	1.6
04:30 AM - 04:35 AM	52.9	49.9	-	49.8	43.6	7.2
04:35 AM - 04:40 AM	49.7	50.8	-	49.8	40.9	-
04:40 AM - 04:45 AM	49.1	51.6	-	49.8	44.3	-
04:45 AM - 04:50 AM	50.9	49.5	-	44.8	44.8	3.3
04:50 AM - 04:55 AM	54.9	48.7	-	50.6	44.6	12.0
04:55 AM - 05:00 AM	51.1	49.9	-	47.9	46.4	1.5
05:00 AM - 05:05 AM	51.9	50.0	-	47.4	43.4	4.0
05:05 AM - 05:10 AM	51.2	51.8	-	47.2	42.8	-
05:10 AM - 05:15 AM	51.4	50.8	-	45.2	42.7	-2.7

Reference Method

- In-house method: STH 06-01 based on ISO 1996-1:2016
- Measurement method: The measurement was conducted using a Class 1 sound level meter (Type 8010) with a 1/2 inch microphone, calibrated with a Class 1 sound level calibrator (Type 941) before and after the measurement. The measurement was conducted in a quiet area, away from any noise sources.
- Measurement location: The measurement was conducted at the site of the project, near the main road.

- Measurement location: The measurement was conducted at the site of the project, near the main road.
- Measurement time: The measurement was conducted from 02:35 AM to 05:15 AM.
- Measurement duration: The measurement was conducted for a duration of 1 hour.

Approved by

Kasat Phol
Kasat Phol
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017249-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-16
Parameter (เอทานอล)
Location (ตำบลบ้านนาหว้า) (GPS 40Q 279854, 189320)
Measurement Date May 26 - 27, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากตัววัด	เสียงจากตัววัด		เสียงรบกวน	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย		
09:00 AM - 09:05 AM	53.3	54.1	57.5	48.9	44.7	3.7
09:05 AM - 09:10 AM	52.1	50.6	56.0	-	45.3	10.7
09:10 AM - 09:15 AM	59.4	57.4	55.1	-	51.9	3.2
09:15 AM - 09:20 AM	55.5	54.7	47.8	-	46.9	8.9
09:20 AM - 09:25 AM	52.5	50.1	48.8	-	46.5	7.3
09:25 AM - 09:30 AM	52.7	50.7	48.4	-	47.3	1.1
09:30 AM - 09:35 AM	55.0	50.4	53.2	-	46.8	8.4
09:35 AM - 09:40 AM	58.7	52.4	52.4	-	47.8	9.6
09:40 AM - 09:45 AM	56.3	51.5	53.1	-	48.1	5.0
09:45 AM - 09:50 AM	55.7	51.5	53.6	-	46.6	7.0
09:50 AM - 09:55 AM	54.0	49.5	52.3	-	45.3	7.0
09:55 AM - 10:00 AM	52.7	47.8	51.0	-	43.5	5.5
10:00 AM - 10:05 AM	51.7	47.2	49.8	-	43.5	6.3
10:05 AM - 10:10 AM	49.6	46.5	-	46.1	41.9	2.2
10:10 AM - 10:15 AM	52.0	47.8	-	52.9	42.0	7.9
10:15 AM - 10:20 AM	49.8	46.9	-	49.7	42.5	6.2
10:20 AM - 10:25 AM	50.5	45.3	-	51.9	42.9	9.6
10:25 AM - 10:30 AM	48.4	47.8	-	43.5	42.2	-1.7
10:30 AM - 10:35 AM	50.2	46.2	-	51.0	43.6	7.4
10:35 AM - 10:40 AM	48.1	47.8	-	44.6	44.0	0.6
10:40 AM - 10:45 AM	48.8	46.9	-	44.1	44.5	-0.4
10:45 AM - 10:50 AM	50.5	47.3	-	50.7	44.1	6.6
10:50 AM - 10:55 AM	46.6	46.0	-	44.5	42.8	1.7
10:55 AM - 11:00 AM	45.9	47.7	-	42.6	45.3	-
11:00 AM - 11:05 AM	49.6	47.6	-	53.0	40.8	-
11:05 AM - 11:10 AM	49.4	47.1	-	48.5	45.7	2.8
11:10 AM - 11:15 AM	47.7	46.9	-	44.6	44.6	-0.1
11:15 AM - 11:20 AM	46.5	46.6	-	42.9	43.9	-
11:20 AM - 11:25 AM	50.0	47.1	-	49.9	45.5	4.4
11:25 AM - 11:30 AM	47.1	47.7	-	45.6	44.8	-
11:30 AM - 11:35 AM	50.4	47.4	-	50.4	45.6	4.8
11:35 AM - 11:40 AM	47.5	48.2	-	45.9	44.2	-3.3
11:40 AM - 11:45 AM	47.5	48.0	-	47.0	43.1	-
11:45 AM - 11:50 AM	48.3	48.1	-	47.6	42.5	-
11:50 AM - 11:55 AM	50.5	48.4	-	49.3	46.9	2.4
11:55 AM - 12:00 AM	47.1	49.4	-	42.6	46.7	-
12:00 AM - 12:05 AM	47.9	47.5	-	45.5	45.3	-0.2
12:05 AM - 12:10 AM	48.5	47.1	-	45.9	45.8	-0.1
12:10 AM - 12:15 AM	47.7	48.0	-	45.7	40.3	-5.4

The above results are valid only for the stated test conditions. It is not intended to be used for any other purpose. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for any misuse of the results.

Approved by

Kasat Phol
Kasat Phol
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. AN ALS LIMITED COMPANY

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017249-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-16
Parameter (เอทานอล)
Location (ตำบลบ้านนาหว้า) (GPS 40Q 279854, 189320)
Measurement Date May 26 - 27, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 00371915

เวลา	เสียงจาก แหล่งกำเนิด	เสียงจาก โถ้วการขน	เสียงจากตัววัดการขน		เสียงรบกวน	ค่าเฉลี่ย
			ค่าเสียง	ค่าเสียง		
12:15 AM - 12:20 AM	47.1	44.7	-	46.4	40.9	6.6
12:20 AM - 12:25 AM	47.6	45.2	-	46.9	43.2	3.6
12:25 AM - 12:30 AM	48.3	44.5	-	49.0	43.2	5.7
12:30 AM - 12:35 AM	46.1	48.1	-	4	40.9	6.6
12:35 AM - 12:40 AM	49.9	45.0	-	51.2	43.3	9.9
12:40 AM - 12:45 AM	47.9	45.8	-	46.5	43.8	2.7
12:45 AM - 12:50 AM	45.5	45.8	-	46.2	40.4	2.8
12:50 AM - 12:55 AM	50.6	43.0	-	52.8	39.1	13.7
12:55 AM - 01:00 AM	47.1	42.6	-	48.2	40.0	8.2
01:00 AM - 01:05 AM	45.7	42.7	-	44.8	40.5	3.9
01:05 AM - 01:10 AM	45.8	43.2	-	43.3	41.5	7.6
01:10 AM - 01:15 AM	47.9	43.2	-	49.1	41.2	7.9
01:15 AM - 01:20 AM	46.8	45.0	-	45.1	42.2	8.8
01:20 AM - 01:25 AM	48.2	43.9	-	47.2	40.8	2.4
01:25 AM - 01:30 AM	48.1	43.1	-	48.4	39.4	9.6
01:30 AM - 01:35 AM	48.8	43.6	-	49.0	41.5	5.5
01:35 AM - 01:40 AM	47.5	42.4	-	48.4	41.2	7.1
01:40 AM - 01:45 AM	47.4	50.0	-	50.0	42.2	6.0
01:45 AM - 01:50 AM	52.5	48.8	-	51.1	43.1	10.0
01:50 AM - 01:55 AM	53.3	45.2	-	54.2	43.0	11.2
01:55 AM - 02:00 AM	49.2	44.4	-	48.8	42.8	6.0
02:00 AM - 02:05 AM	48.2	44.4	-	45.5	41.4	9.1
02:05 AM - 02:10 AM	49.4	46.1	-	45.5	42.1	5.4
02:10 AM - 02:15 AM	50.2	46.7	-	51.1	40.5	10.6
02:15 AM - 02:20 AM	48.3	44.3	-	46.3	42.1	6.2
02:20 AM - 02:25 AM	50.8	44.3	-	52.2	40.5	10.2
02:25 AM - 02:30 AM	47.2	47.3	-	46.1	44.1	2.0
02:30 AM - 02:35 AM	49.6	45.5	-	46.5	39.8	10.7
02:35 AM - 02:40 AM	46.4	43.8	-	49.6	39.9	6.7
02:40 AM - 02:45 AM	48.8	45.6	-	46.8	40.5	4.3
02:45 AM - 02:50 AM	47.9	43.7	-	51.2	40.2	11.5
02:50 AM - 02:55 AM	43.5	45.1	-	39.0	42.1	3.1
02:55 AM - 03:00 AM	47.9	43.5	-	48.8	40.4	6.5
03:00 AM - 03:05 AM	47.0	47.3	-	39.9	42.9	4
03:05 AM - 03:10 AM	47.4	46.4	-	45.5	41.6	1.9
03:10 AM - 03:15 AM	47.4	46.4	-	42.6	41.9	3.2
03:15 AM - 03:20 AM	46.5	46.4	-	33.1	42.7	-9.6
03:20 AM - 03:25 AM	46.5	46.6	-	40.9	41.1	-
03:25 AM - 03:30 AM	46.8	46.9	-	42.5	42.3	-0.6
03:30 AM - 03:35 AM	47.8	44.0	-	43.1	40.1	7.7



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017250-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-16
Parameter เสร็จสมบูรณ์
Location โรงไฟฟ้าพลังงานสุกร (GPS 40Q 279854, 1089320)
Measurement Date May 28 - 27, 2024
Measurement by Sangman Natat
Sound Level Meter 00371915

ค่าเฉลี่ย (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงจากกิจกรรมการเกษตร	เสียงจากกิจกรรมการเกษตร	ค่าเฉลี่ย
			กลางวัน	กลางคืน	
03:35 AM - 03:40 AM	47.8	44.1	-	48.4	45.8
03:40 AM - 03:45 AM	46.6	43.9	-	46.3	45.9
03:45 AM - 03:50 AM	46.2	43.6	-	46.3	45.9
03:50 AM - 03:55 AM	45.0	43.4	-	45.9	45.4
03:55 AM - 04:00 AM	45.8	42.7	-	45.9	45.9
04:00 AM - 04:05 AM	46.7	42.3	-	47.7	46.6
04:05 AM - 04:10 AM	45.5	43.1	-	44.8	45.1
04:10 AM - 04:15 AM	46.2	43.2	-	46.2	45.1
04:15 AM - 04:20 AM	46.2	44.0	-	44.1	45.0
04:20 AM - 04:25 AM	47.9	44.4	-	44.3	45.0
04:25 AM - 04:30 AM	46.1	44.1	-	44.8	45.7
04:30 AM - 04:35 AM	47.7	44.6	-	47.6	46.1
04:35 AM - 04:40 AM	48.3	44.3	-	49.1	46.1
04:40 AM - 04:45 AM	47.9	44.6	-	48.2	46.1
04:45 AM - 04:50 AM	48.1	44.4	-	48.7	46.2
04:50 AM - 04:55 AM	47.3	44.8	-	46.7	45.9
04:55 AM - 05:00 AM	48.0	44.7	-	48.1	45.9
05:00 AM - 05:05 AM	48.3	47.2	-	45.6	45.8
05:05 AM - 05:10 AM	51.3	55.3	-	47.9	52.7
05:10 AM - 05:15 AM	53.3	51.5	-	51.6	52.8
05:15 AM - 05:20 AM	53.3	50.2	-	53.4	52.8
05:20 AM - 05:25 AM	51.8	51.8	-	47.9	51.8
05:25 AM - 05:30 AM	52.8	52.8	-	47.9	52.8
05:30 AM - 05:35 AM	52.5	50.6	-	47.9	52.5
05:35 AM - 05:40 AM	51.6	52.4	-	47.9	51.6
05:40 AM - 05:45 AM	51.9	49.5	-	51.2	51.9
05:45 AM - 05:50 AM	52.3	56.6	-	47.9	52.3
05:50 AM - 05:55 AM	52.4	57.0	-	47.9	52.4
05:55 AM - 06:00 AM	52.4	52.2	-	47.9	52.4
06:00 AM - 06:05 AM	51.9	51.7	38.4	47.1	51.9
06:05 AM - 06:10 AM	55.0	51.0	51.2	47.3	55.0
06:10 AM - 06:15 AM	53.8	50.3	51.8	46.0	53.8

Reference Method :

1. In-house method : STH 06-01 based on ISO 1996-1 : 2015

2. มาตรฐานการวัดเสียงจากแหล่งกำเนิด : มาตรฐานการวัดเสียงจากแหล่งกำเนิดตามวิธีมาตรฐาน 24 ชั่วโมง ตามกรมควบคุมมลพิษของประเทศไทย พ.ศ. 2567

หมายเหตุ :

1. ข้อมูลการวัดเสียงจากแหล่งกำเนิด : วันที่ 26-27 พฤษภาคม 2567
2. ข้อมูลการวัดเสียงจากสิ่งแวดล้อม : วันที่ 26-27 พฤษภาคม 2567
3. หมายเหตุ : ข้อมูลการวัดเสียงจากแหล่งกำเนิดและข้อมูลการวัดเสียงจากสิ่งแวดล้อมเป็นข้อมูลเบื้องต้นเท่านั้น ข้อมูลสุดท้ายจะขึ้นอยู่กับผลการตรวจวัดจริง

Approved by

Kasorn Anok
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017250-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-17
Parameter เสร็จสมบูรณ์
Location โรงไฟฟ้าพลังงานสุกร (GPS 40Q 279854, 1089320)
Measurement Date May 27 - 28, 2024
Measurement by Sangman Natat
Sound Level Meter 00371915

ค่าเฉลี่ย (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงจากกิจกรรมการเกษตร	เสียงจากกิจกรรมการเกษตร	ค่าเฉลี่ย
			กลางวัน	กลางคืน	
03:35 AM - 03:40 AM	52.2	49.1	-	44.3	49.1
03:40 AM - 03:45 AM	51.2	49.3	-	43.3	48.8
03:45 AM - 03:50 AM	54.5	53.1	-	46.9	53.8
03:50 AM - 03:55 AM	52.7	52.8	-	45.9	52.7
03:55 AM - 04:00 AM	52.0	52.0	-	45.4	52.0
04:00 AM - 04:05 AM	54.3	49.3	-	45.8	51.9
04:05 AM - 04:10 AM	54.5	51.9	-	45.1	51.9
04:10 AM - 04:15 AM	51.0	49.1	-	45.7	51.0
04:15 AM - 04:20 AM	55.8	54.1	-	46.1	54.1
04:20 AM - 04:25 AM	57.1	57.1	-	51.2	57.1
04:25 AM - 04:30 AM	52.1	52.1	-	45.7	52.1
04:30 AM - 04:35 AM	51.7	48.3	-	46.3	51.7
04:35 AM - 04:40 AM	51.0	48.6	-	47.3	51.0
04:40 AM - 04:45 AM	48.6	42.1	-	46.3	48.6
04:45 AM - 04:50 AM	46.9	46.9	-	46.2	46.9
04:50 AM - 04:55 AM	49.8	45.2	-	51.0	49.8
04:55 AM - 05:00 AM	48.0	47.3	-	42.7	48.0
05:00 AM - 05:05 AM	52.2	46.5	-	52.5	52.2
05:05 AM - 05:10 AM	52.3	47.2	-	53.7	52.3
05:10 AM - 05:15 AM	50.0	47.0	-	50.8	50.0
05:15 AM - 05:20 AM	48.6	47.3	-	45.7	48.6
05:20 AM - 05:25 AM	50.0	47.3	-	49.7	50.0
05:25 AM - 05:30 AM	49.8	47.2	-	49.3	49.8
05:30 AM - 05:35 AM	48.6	47.6	-	45.4	48.6
05:35 AM - 05:40 AM	46.3	46.3	-	45.3	46.3
05:40 AM - 05:45 AM	51.0	45.7	-	52.5	51.0
05:45 AM - 05:50 AM	47.6	47.0	-	41.7	47.6
05:50 AM - 05:55 AM	49.8	47.9	-	43.4	49.8
05:55 AM - 06:00 AM	47.7	46.7	-	50.0	47.7
06:00 AM - 06:05 AM	48.0	46.0	-	44.5	48.0
06:05 AM - 06:10 AM	48.2	46.2	-	41.7	48.2
06:10 AM - 06:15 AM	46.5	46.0	-	46.6	46.5
06:15 AM - 06:20 AM	48.5	46.1	-	47.8	48.5
06:20 AM - 06:25 AM	46.5	46.1	-	42.6	46.5
06:25 AM - 06:30 AM	46.4	46.4	-	46.9	46.4
06:30 AM - 06:35 AM	49.5	48.9	-	43.6	49.5
06:35 AM - 06:40 AM	51.0	47.6	-	51.3	51.0
06:40 AM - 06:45 AM	48.5	47.2	-	46.5	48.5
06:45 AM - 06:50 AM	48.6	47.3	-	45.7	48.6
06:50 AM - 06:55 AM	48.1	47.6	-	41.5	48.1

The above results are valid only for the period and location specified in this report. Any change in the scope of the report or the location of the measurement will require a new report. The results are for information only and should not be used for any other purpose. The results are for information only and should not be used for any other purpose.

Approved by

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017250-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-17
Parameter เสร็จสมบูรณ์
Location โรงไฟฟ้าพลังงานสุกร (GPS 40Q 279854, 1089320)
Measurement Date May 27 - 28, 2024
Measurement by Sangman Natat
Sound Level Meter 00371915

ค่าเฉลี่ย (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงจากกิจกรรมการเกษตร	เสียงจากกิจกรรมการเกษตร	ค่าเฉลี่ย
			กลางวัน	กลางคืน	
12:15 AM - 12:20 AM	49.2	47.1	-	48.0	47.2
12:20 AM - 12:25 AM	52.2	50.9	-	44.9	52.2
12:25 AM - 12:30 AM	48.4	46.7	-	46.5	48.4
12:30 AM - 12:35 AM	48.4	47.4	-	44.5	48.4
12:35 AM - 12:40 AM	48.9	46.9	-	48.0	48.9
12:40 AM - 12:45 AM	47.6	45.9	-	45.7	47.6
12:45 AM - 12:50 AM	47.9	46.4	-	45.6	47.9
12:50 AM - 12:55 AM	47.9	46.8	-	46.4	47.9
12:55 AM - 01:00 AM	48.5	45.6	-	45.6	48.5
01:00 AM - 01:05 AM	47.9	46.3	-	45.1	47.9
01:05 AM - 01:10 AM	47.7	45.9	-	46.0	47.7
01:10 AM - 01:15 AM	48.1	45.9	-	47.1	48.1
01:15 AM - 01:20 AM	48.2	45.7	-	47.0	48.2
01:20 AM - 01:25 AM	49.2	44.5	-	50.4	49.2
01:25 AM - 01:30 AM	47.2	44.2	-	46.1	47.2
01:30 AM - 01:35 AM	46.8	44.4	-	46.3	46.8
01:35 AM - 01:40 AM	47.1	44.8	-	46.2	47.1
01:40 AM - 01:45 AM	46.9	45.2	-	45.0	46.9
01:45 AM - 01:50 AM	46.4	45.1	-	43.4	46.4
01:50 AM - 01:55 AM	46.8	44.6	-	45.8	46.8
01:55 AM - 02:00 AM	46.1	45.6	-	39.5	46.1
02:00 AM - 02:05 AM	46.7	46.7	-	45.5	46.7
02:05 AM - 02:10 AM	47.3	46.5	-	42.0	47.3
02:10 AM - 02:15 AM	47.4	45.4	-	44.1	47.4
02:15 AM - 02:20 AM	45.8	43.8	-	44.0	45.8
02:20 AM - 02:25 AM	45.8	43.8	-	44.0	45.8
02:25 AM - 02:30 AM	45.8	43.4	-	39.2	45.8
02:30 AM - 02:35 AM	47.3	47.1	-	36.8	47.3
02:35 AM - 02:40 AM	47.3	46.0	-	44.4	47.3
02:40 AM - 02:45 AM	46.3	45.8	-	43.4	46.3
02:45 AM - 02:50 AM	45.9	46.1	-	42.9	45.9
02:50 AM - 02:55 AM	46.5	48.2	-	42.2	46.5
02:55 AM - 03:00 AM	45.3	45.3	-	41.1	45.3
03:00 AM - 03:05 AM	45.3	45.3	-	41.1	45.3
03:05 AM - 03:10 AM	46.8	46.2	-	44.2	46.8
03:10 AM - 03:15 AM	46.8	46.0	-	44.2	46.8
03:15 AM - 03:20 AM	47.0	47.0	-	45.2	47.0
03:20 AM - 03:25 AM	46.3	46.3	-	45.2	46.3
03:25 AM - 03:30 AM	46.3	46.3	-	45.2	46.3

Reference Method :

1. In-house method : STH 06-01 based on ISO 1996-1 : 2015

2. มาตรฐานการวัดเสียงจากแหล่งกำเนิด : มาตรฐานการวัดเสียงจากแหล่งกำเนิดตามวิธีมาตรฐาน 24 ชั่วโมง ตามกรมควบคุมมลพิษของประเทศไทย พ.ศ. 2567

หมายเหตุ :

1. ข้อมูลการวัดเสียงจากแหล่งกำเนิด : วันที่ 27-28 พฤษภาคม 2567
2. ข้อมูลการวัดเสียงจากสิ่งแวดล้อม : วันที่ 27-28 พฤษภาคม 2567
3. หมายเหตุ : ข้อมูลการวัดเสียงจากแหล่งกำเนิดและข้อมูลการวัดเสียงจากสิ่งแวดล้อมเป็นข้อมูลเบื้องต้นเท่านั้น ข้อมูลสุดท้ายจะขึ้นอยู่กับผลการตรวจวัดจริง

Approved by

Kasorn Anok
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017250-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-17
Parameter เสร็จสมบูรณ์
Location โรงไฟฟ้าพลังงานสุกร (GPS 40Q 279854, 1089320)
Measurement Date May 27 - 28, 2024
Measurement by Sangman Natat
Sound Level Meter 00371915

ค่าเฉลี่ย (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงจากกิจกรรมการเกษตร		ค่าเฉลี่ยการรวม
			กลางวัน	กลางคืน	
03:35 AM - 03:40 AM	48.3	42.4	-	44.0	45.3
03:40 AM - 03:45 AM	48.0	41.5	-	42.4	45.3
03:45 AM - 03:50 AM	47.3	45.7	-	45.2	47.3
03:50 AM - 03:55 AM	45.7	45.2	-	39.1	45.7
03:55 AM - 04:00 AM	45.8	45.9	-	45.9	45.8
04:00 AM - 04:05 AM	45.7	47.4	-	47.4	45.7
04:05 AM - 04:10 AM	50.9	46.6	-	51.9	50.9
04:10 AM - 04:15 AM	47.7	47.3	-	46.3	47.7
04:15 AM - 04:20 AM	48.7	46.7	-	43.6	48.7
04:20 AM - 04:25 AM	47.3	46.3	-	40.1	47.3
04:25 AM - 04:30 AM	46.7	42.1	-	47.2	46.7
04:30 AM - 04:35 AM	45.7	42.7	-	42.7	45.7
04:35 AM - 04:40 AM	45.1	44.0	-	41.7	45.1
04:40 AM - 04:45 AM	48.8	44.1	-	49.9	48.8
04:45 AM - 04:50 AM	47.8	44.4	-	47.1	47.8
04:50 AM - 04:55 AM	48.3	48.4	-	42.1	48.3
04:55 AM - 05:00 AM	49.9	43.9	-	51.0	49.9
05:00 AM - 05:05 AM	47.9	47.4	-	41.3	47.9
05:05 AM - 05:10 AM	48.5	42.1	-	43.5	48.5
05:10 AM - 05:15 AM	51.0	48.8	-	50.0	51.0
05:15 AM - 05:20 AM	51.3	54.2	-	50.9	51.3
05:20 AM - 05:25 AM	50.9	56.9	-	48.1	50.9
05:25 AM - 05:30 AM	52.5	49.1	-	52.8	52.5
05:30 AM - 05:35 AM	51.5	49.8	-	49.6	51.5
05:35 AM - 05:40 AM	52.0	52.7	-	47.0	52.0
05:40 AM - 05:45 AM	56.2	47.7	-	56.5	56.2
05:45 AM - 05:50 AM	55.1	53.0	-	53.8	55.1
05:50 AM - 05:55 AM	50.8	50.0	-	49.4	50.8
05:55 AM - 06:00 AM	52.1	49.7	-	48.0	52.1
06:00 AM - 07:00 AM	52.4	50.1	48.3	-	48.8
07:00 AM - 08:00 AM	56.8	51.2	55.4	-	56.5
08:00 AM - 09:00 AM	58.7	53.8	55.6	-	57.2
หมายเหตุ					6.10
Reference Method : 1. In-house method : STM 06-001 Based on ISO 1996-1 : 2016 2. ค่าเฉลี่ยการรวมจากข้อมูลที่ได้ วัดจากกิจกรรมการเกษตรในช่วงเวลา 24 ชั่วโมง แยกตามเสียงจากแหล่งกำเนิดกิจกรรมการเกษตรเป็นภาค 1, 2 และ 3 3. เสียงจากกิจกรรมการเกษตรตาม (เช้า-กลางวัน-กลางคืน)เสียงจากสิ่งแวดล้อมเสียงจากกิจกรรมการเกษตรตามภาคการเกษตรเป็นภาค 1, 2 และ 3 4. เสียงจากกิจกรรมการเกษตร (เช้า-กลางวัน-กลางคืน)เสียงจากสิ่งแวดล้อมเสียงจากกิจกรรมการเกษตรตามภาคการเกษตรเป็นภาค 1, 2 และ 3					



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017251-1

Page 1 of 3

Sample No. 2454490-18
Parameter ฝุ่นละออง
Location ไร่สวนปลูกอ้อย (GPS 48Q 279854, 1089320)
Measurement Date May 28 - 29, 2024
Measurement by Sanglavan Naisat
Sound Level Meter 00371915

พารามิเตอร์ (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากโรงไฟฟ้า	เสียงจากโรงงาน		ค่าเฉลี่ยรวม
			ถาวร	ชั่วคราว	
09:00 AM - 10:00 AM	59.4	53.0	58.7	-	54.3
10:00 AM - 11:00 AM	58.6	53.1	56.9	-	52.8
11:00 AM - 12:00 PM	55.4	54.8	46.5	-	46.2
12:00 PM - 01:00 PM	53.0	48.5	50.9	-	44.6
01:00 PM - 02:00 PM	58.2	49.5	57.6	-	45.6
02:00 PM - 03:00 PM	52.9	49.6	50.2	-	43.8
03:00 PM - 04:00 PM	56.5	52.3	54.4	-	47.7
04:00 PM - 05:00 PM	52.3	52.4	46.0	-	48.4
05:00 PM - 06:00 PM	57.9	52.1	56.6	-	47.8
06:00 PM - 07:00 PM	54.4	51.2	51.6	-	45.8
07:00 PM - 08:00 PM	59.5	49.2	59.0	-	45.9
08:00 PM - 09:00 PM	52.7	48.5	50.6	-	46.2
09:00 PM - 10:00 PM	51.2	47.9	46.3	-	44.9
10:00 PM - 10:15 PM	51.3	48.3	-	51.3	45.9
10:15 PM - 10:30 PM	50.2	48.7	-	43.9	43.9
10:30 PM - 10:45 PM	50.1	48.1	-	48.0	45.8
10:45 PM - 10:55 PM	50.2	49.8	-	43.7	43.7
10:55 PM - 11:05 PM	50.9	47.6	-	51.2	45.9
11:05 PM - 11:15 PM	49.4	48.3	-	45.9	44.2
11:15 PM - 11:25 PM	49.7	47.7	-	48.4	45.0
11:25 PM - 11:35 PM	49.8	48.1	-	44.5	45.7
11:35 PM - 11:45 PM	48.3	47.6	-	43.0	43.5
11:45 PM - 11:55 PM	49.8	46.5	-	50.1	43.6
11:55 PM - 12:05 PM	48.6	47.9	-	46.3	44.3
12:05 PM - 12:15 PM	48.9	49.1	-	49.0	45.0
12:15 PM - 12:25 PM	48.5	47.5	-	44.6	44.6
12:25 PM - 11:00 PM	50.6	46.6	-	49.0	45.2
11:00 PM - 11:15 PM	50.7	46.9	-	51.4	43.6
11:15 PM - 11:25 PM	48.2	46.5	-	49.6	43.2
11:25 PM - 11:35 PM	51.1	49.6	-	43.9	43.9
11:35 PM - 11:45 PM	51.1	45.9	-	32.5	33.0
11:45 PM - 11:55 PM	45.8	46.7	-	39.5	43.6
11:55 PM - 12:05 PM	42.1	46.7	-	34.4	44.9
12:05 PM - 12:15 PM	47.7	44.8	-	49.4	43.4
12:15 PM - 12:25 PM	46.4	45.6	-	43.8	42.6
12:25 PM - 12:35 PM	46.1	43.7	-	43.4	41.3
12:35 PM - 12:45 PM	46.0	45.2	-	43.0	40.7
12:45 PM - 12:55 PM	46.0	43.7	-	49.0	41.4
12:55 PM - 01:00 AM	46.5	44.8	-	44.9	41.8
01:00 AM - 01:05 PM	42.4	41.2	-	40.4	37.9



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017252-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-19
Parameter เอนเทน
Location โรงไฟฟ้าพลังงานทดแทน (GPS 48Q 279854, 1889320)
Measurement Date May 29 - 30, 2024
Measurement by Sangwan Naksat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		ค่าเฉลี่ย	ค่ารวม
			ค่าเสียง	ค่าเสียง		
12:15 AM - 12:20 AM	46.5	44.3	-	45.5	39.4	6.1
12:20 AM - 12:25 AM	49.3	45.4	-	50.0	40.1	9.9
12:25 AM - 12:30 AM	47.3	43.7	-	45.2	39.4	5.9
12:30 AM - 12:35 AM	52.1	43.2	-	54.5	40.0	14.5
12:35 AM - 12:40 AM	49.3	47.3	-	51.3	39.1	12.2
12:40 AM - 12:45 AM	46.1	43.5	-	39.5	41.9	-2.4
12:45 AM - 12:50 AM	48.7	46.9	-	47.0	45.7	1.3
12:50 AM - 12:55 AM	49.3	47.2	-	48.1	45.9	2.2
12:55 AM - 01:00 AM	49.1	48.0	-	45.6	46.3	-0.7
01:00 AM - 01:05 AM	49.1	49.0	-	47.9	47.4	-
01:05 AM - 01:10 AM	51.2	43.0	-	50.2	47.3	2.9
01:10 AM - 01:15 AM	50.8	48.6	-	49.8	47.6	2.2
01:15 AM - 01:20 AM	50.8	48.1	-	48.5	47.2	1.3
01:20 AM - 01:25 AM	49.8	46.3	-	50.2	44.8	5.4
01:25 AM - 01:30 AM	49.3	47.5	-	47.6	44.6	3.0
01:30 AM - 01:35 AM	49.3	48.0	-	49.9	47.8	-
01:35 AM - 01:40 AM	51.3	45.9	-	52.9	40.3	12.6
01:40 AM - 01:45 AM	51.3	46.2	-	53.9	38.0	15.9
01:45 AM - 01:50 AM	44.6	46.7	-	45.3	35.4	6.7
01:50 AM - 01:55 AM	46.5	43.2	-	41.6	39.8	1.8
01:55 AM - 02:00 AM	44.6	45.6	-	47.9	41.5	-
02:00 AM - 02:05 AM	49.3	43.1	-	51.1	39.8	11.3
02:05 AM - 02:10 AM	47.3	44.5	-	47.3	41.4	5.9
02:10 AM - 02:15 AM	44.1	44.8	-	49.2	42.1	-
02:15 AM - 02:20 AM	46.7	44.6	-	45.5	40.1	5.4
02:20 AM - 02:25 AM	47.3	44.1	-	45.7	41.1	2.6
02:25 AM - 02:30 AM	46.2	44.9	-	43.3	40.2	3.1
02:30 AM - 02:35 AM	44.3	44.5	-	47.8	41.9	-
02:35 AM - 02:40 AM	47.8	43.9	-	46.8	41.8	5.0
02:40 AM - 02:45 AM	46.8	43.9	-	46.7	40.4	6.3
02:45 AM - 02:50 AM	45.4	44.3	-	32.0	42.6	-18.6
02:50 AM - 02:55 AM	47.3	44.1	-	47.3	41.5	5.8
02:55 AM - 03:00 AM	47.3	44.1	-	40.4	40.4	0.4
03:00 AM - 03:05 AM	45.3	44.7	-	39.4	41.6	-2.2
03:05 AM - 03:10 AM	47.5	45.9	-	45.6	41.8	3.8
03:10 AM - 03:15 AM	44.1	44.1	-	46.6	40.1	6.5
03:15 AM - 03:20 AM	42.1	44.4	-	46.8	40.6	6.2
03:20 AM - 03:25 AM	46.8	43.6	-	47.0	41.6	5.4
03:25 AM - 03:30 AM	46.3	43.9	-	45.3	41.5	3.8
03:30 AM - 03:35 AM	47.7	44.2	-	40.1	41.9	-6.2

Approved by
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017252-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-19
Parameter เอนเทน
Location โรงไฟฟ้าพลังงานทดแทน (GPS 48Q 279854, 1889320)
Measurement Date May 29 - 30, 2024
Measurement by Sangwan Naksat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		ค่าเฉลี่ย	ค่ารวม
			ค่าเสียง	ค่าเสียง		
03:35 AM - 03:40 AM	45.5	45.2	-	45.2	42.8	2.7
03:40 AM - 03:45 AM	46.9	45.6	-	45.3	42.7	3.2
03:45 AM - 03:50 AM	48.7	44.2	-	49.8	41.4	8.4
03:50 AM - 03:55 AM	48.6	43.9	-	47.0	40.8	9.0
03:55 AM - 04:00 AM	47.9	42.0	-	48.1	41.0	7.1
04:00 AM - 04:05 AM	47.9	45.2	-	47.5	42.3	5.3
04:05 AM - 04:10 AM	48.7	41.9	-	50.7	39.7	11.0
04:10 AM - 04:15 AM	48.9	43.2	-	47.8	41.6	6.2
04:15 AM - 04:20 AM	47.1	43.5	-	47.4	40.3	7.1
04:20 AM - 04:25 AM	48.5	46.3	-	47.5	43.9	3.6
04:25 AM - 04:30 AM	48.3	46.4	-	46.6	43.8	3.2
04:30 AM - 04:35 AM	47.9	45.7	-	45.4	42.4	5.5
04:35 AM - 04:40 AM	47.4	45.2	-	45.5	43.6	3.9
04:40 AM - 04:45 AM	46.3	43.8	-	39.7	43.5	-3.8
04:45 AM - 04:50 AM	48.2	46.4	-	46.5	43.6	2.9
04:50 AM - 04:55 AM	48.0	49.3	-	42.7	45.0	-2.3
04:55 AM - 05:00 AM	50.0	47.0	-	50.0	43.1	6.9
05:00 AM - 05:05 AM	51.6	50.5	-	48.1	43.4	3.8
05:05 AM - 05:10 AM	49.9	53.0	-	47.9	45.9	-
05:10 AM - 05:15 AM	51.7	55.6	-	47.9	46.6	-
05:15 AM - 05:20 AM	51.6	50.1	-	49.3	46.7	2.6
05:20 AM - 05:25 AM	52.7	54.3	-	47.9	45.9	-
05:25 AM - 05:30 AM	54.5	50.4	-	55.4	46.1	9.3
05:30 AM - 05:35 AM	54.3	54.3	-	47.9	46.1	-
05:35 AM - 05:40 AM	52.1	57.8	-	47.9	45.9	-
05:40 AM - 05:45 AM	51.8	50.6	-	50.1	46.9	3.2
05:45 AM - 05:50 AM	50.8	51.5	-	47.9	46.8	-
05:50 AM - 05:55 AM	52.6	50.3	-	51.7	46.9	4.8
05:55 AM - 06:00 AM	52.4	50.0	-	51.7	46.9	4.8
06:00 AM - 06:05 AM	53.8	50.7	51.3	-	46.2	5.1
06:05 AM - 06:10 AM	53.8	49.6	51.7	-	45.2	6.5
06:10 AM - 06:15 AM	53.9	47.6	52.7	-	43.4	10.5

Reference Method :
1. In-house Method : STH 06-001 based on ISO 9996-1 : 2016
2. In-house Method : STH 06-002 based on ISO 9996-2 : 2016
3. In-house Method : STH 06-003 based on ISO 9996-3 : 2016
4. In-house Method : STH 06-004 based on ISO 9996-4 : 2016
5. In-house Method : STH 06-005 based on ISO 9996-5 : 2016
6. In-house Method : STH 06-006 based on ISO 9996-6 : 2016
7. In-house Method : STH 06-007 based on ISO 9996-7 : 2016
8. In-house Method : STH 06-008 based on ISO 9996-8 : 2016
9. In-house Method : STH 06-009 based on ISO 9996-9 : 2016
10. In-house Method : STH 06-010 based on ISO 9996-10 : 2016
11. In-house Method : STH 06-011 based on ISO 9996-11 : 2016
12. In-house Method : STH 06-012 based on ISO 9996-12 : 2016
13. In-house Method : STH 06-013 based on ISO 9996-13 : 2016
14. In-house Method : STH 06-014 based on ISO 9996-14 : 2016
15. In-house Method : STH 06-015 based on ISO 9996-15 : 2016
16. In-house Method : STH 06-016 based on ISO 9996-16 : 2016
17. In-house Method : STH 06-017 based on ISO 9996-17 : 2016
18. In-house Method : STH 06-018 based on ISO 9996-18 : 2016
19. In-house Method : STH 06-019 based on ISO 9996-19 : 2016
20. In-house Method : STH 06-020 based on ISO 9996-20 : 2016
21. In-house Method : STH 06-021 based on ISO 9996-21 : 2016
22. In-house Method : STH 06-022 based on ISO 9996-22 : 2016
23. In-house Method : STH 06-023 based on ISO 9996-23 : 2016
24. In-house Method : STH 06-024 based on ISO 9996-24 : 2016
25. In-house Method : STH 06-025 based on ISO 9996-25 : 2016
26. In-house Method : STH 06-026 based on ISO 9996-26 : 2016
27. In-house Method : STH 06-027 based on ISO 9996-27 : 2016
28. In-house Method : STH 06-028 based on ISO 9996-28 : 2016
29. In-house Method : STH 06-029 based on ISO 9996-29 : 2016
30. In-house Method : STH 06-030 based on ISO 9996-30 : 2016
31. In-house Method : STH 06-031 based on ISO 9996-31 : 2016
32. In-house Method : STH 06-032 based on ISO 9996-32 : 2016
33. In-house Method : STH 06-033 based on ISO 9996-33 : 2016
34. In-house Method : STH 06-034 based on ISO 9996-34 : 2016
35. In-house Method : STH 06-035 based on ISO 9996-35 : 2016
36. In-house Method : STH 06-036 based on ISO 9996-36 : 2016
37. In-house Method : STH 06-037 based on ISO 9996-37 : 2016
38. In-house Method : STH 06-038 based on ISO 9996-38 : 2016
39. In-house Method : STH 06-039 based on ISO 9996-39 : 2016
40. In-house Method : STH 06-040 based on ISO 9996-40 : 2016
41. In-house Method : STH 06-041 based on ISO 9996-41 : 2016
42. In-house Method : STH 06-042 based on ISO 9996-42 : 2016
43. In-house Method : STH 06-043 based on ISO 9996-43 : 2016
44. In-house Method : STH 06-044 based on ISO 9996-44 : 2016
45. In-house Method : STH 06-045 based on ISO 9996-45 : 2016
46. In-house Method : STH 06-046 based on ISO 9996-46 : 2016
47. In-house Method : STH 06-047 based on ISO 9996-47 : 2016
48. In-house Method : STH 06-048 based on ISO 9996-48 : 2016
49. In-house Method : STH 06-049 based on ISO 9996-49 : 2016
50. In-house Method : STH 06-050 based on ISO 9996-50 : 2016
51. In-house Method : STH 06-051 based on ISO 9996-51 : 2016
52. In-house Method : STH 06-052 based on ISO 9996-52 : 2016
53. In-house Method : STH 06-053 based on ISO 9996-53 : 2016
54. In-house Method : STH 06-054 based on ISO 9996-54 : 2016
55. In-house Method : STH 06-055 based on ISO 9996-55 : 2016
56. In-house Method : STH 06-056 based on ISO 9996-56 : 2016
57. In-house Method : STH 06-057 based on ISO 9996-57 : 2016
58. In-house Method : STH 06-058 based on ISO 9996-58 : 2016
59. In-house Method : STH 06-059 based on ISO 9996-59 : 2016
60. In-house Method : STH 06-060 based on ISO 9996-60 : 2016
61. In-house Method : STH 06-061 based on ISO 9996-61 : 2016
62. In-house Method : STH 06-062 based on ISO 9996-62 : 2016
63. In-house Method : STH 06-063 based on ISO 9996-63 : 2016
64. In-house Method : STH 06-064 based on ISO 9996-64 : 2016
65. In-house Method : STH 06-065 based on ISO 9996-65 : 2016
66. In-house Method : STH 06-066 based on ISO 9996-66 : 2016
67. In-house Method : STH 06-067 based on ISO 9996-67 : 2016
68. In-house Method : STH 06-068 based on ISO 9996-68 : 2016
69. In-house Method : STH 06-069 based on ISO 9996-69 : 2016
70. In-house Method : STH 06-070 based on ISO 9996-70 : 2016
71. In-house Method : STH 06-071 based on ISO 9996-71 : 2016
72. In-house Method : STH 06-072 based on ISO 9996-72 : 2016
73. In-house Method : STH 06-073 based on ISO 9996-73 : 2016
74. In-house Method : STH 06-074 based on ISO 9996-74 : 2016
75. In-house Method : STH 06-075 based on ISO 9996-75 : 2016
76. In-house Method : STH 06-076 based on ISO 9996-76 : 2016
77. In-house Method : STH 06-077 based on ISO 9996-77 : 2016
78. In-house Method : STH 06-078 based on ISO 9996-78 : 2016
79. In-house Method : STH 06-079 based on ISO 9996-79 : 2016
80. In-house Method : STH 06-080 based on ISO 9996-80 : 2016
81. In-house Method : STH 06-081 based on ISO 9996-81 : 2016
82. In-house Method : STH 06-082 based on ISO 9996-82 : 2016
83. In-house Method : STH 06-083 based on ISO 9996-83 : 2016
84. In-house Method : STH 06-084 based on ISO 9996-84 : 2016
85. In-house Method : STH 06-085 based on ISO 9996-85 : 2016
86. In-house Method : STH 06-086 based on ISO 9996-86 : 2016
87. In-house Method : STH 06-087 based on ISO 9996-87 : 2016
88. In-house Method : STH 06-088 based on ISO 9996-88 : 2016
89. In-house Method : STH 06-089 based on ISO 9996-89 : 2016
90. In-house Method : STH 06-090 based on ISO 9996-90 : 2016
91. In-house Method : STH 06-091 based on ISO 9996-91 : 2016
92. In-house Method : STH 06-092 based on ISO 9996-92 : 2016
93. In-house Method : STH 06-093 based on ISO 9996-93 : 2016
94. In-house Method : STH 06-094 based on ISO 9996-94 : 2016
95. In-house Method : STH 06-095 based on ISO 9996-95 : 2016
96. In-house Method : STH 06-096 based on ISO 9996-96 : 2016
97. In-house Method : STH 06-097 based on ISO 9996-97 : 2016
98. In-house Method : STH 06-098 based on ISO 9996-98 : 2016
99. In-house Method : STH 06-099 based on ISO 9996-99 : 2016
100. In-house Method : STH 06-100 based on ISO 9996-100 : 2016

Approved by
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017253-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-20
Parameter เอนเทน
Location โรงไฟฟ้าพลังงานทดแทน (GPS 48Q 279854, 1889320)
Measurement Date May 30 - 31, 2024
Measurement by Sangwan Naksat
Sound Level Meter 00371915

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	ค่าเสียง (dB(A))		เสียงที่ชุมชน	ค่ารวม
			ภายใน	ภายนอก		
09:00 AM - 10:00 AM	52.1	48.0	50.0	-	44.0	6.0
10:00 AM - 11:00 AM	52.3	48.5	50.0	-	43.7	6.0
11:00 AM - 12:00 PM	54.8	51.8	51.7	-	45.7	6.0
12:00 PM - 01:00 PM	53.9	50.9	-	-	45.6	-
01:00 PM - 02:00 PM	53.5	50.3	50.7	-	45.5	5.2
02:00 PM - 03:00 PM	53.8	49.6	50.7	-	44.7	6.0
03:00 PM - 04:00 PM	54.2	50.9	51.5	-	46.5	5.0
04:00 PM - 05:00 PM	53.8	49.7	49.5	-	45.2	8.3
05:00 PM - 06:00 PM	50.8	51.5	50.6	-	46.3	4.5
06:00 PM - 07:00 PM	52.2	50.6	56.1	-	43.8	10.3
07:00 PM - 08:00 PM	54.2	47.3	53.2	-	42.7	6.5
08:00 PM - 09:00 PM	50.3	48.6	44.4	-	46.5	-2.1
09:00 PM - 10:00 PM	49.0	49.8	42.2	-	46.2	-2.1
10:00 PM - 10:05 PM	50.0	47.8	-	-	46.0	-
10:05 PM - 10:10 PM	50.4	46.3	-	51.3	43.7	7.6
10:10 PM - 10:15 PM	47.0	47.0	-	43.8	44.9	-1.3
10:15 PM - 10:20 PM	48.7	47.7	-	44.8	45.2	-0.9
10:20 PM - 10:25 PM	47.8	48.6	-	NA	46.0	-
10:25 PM - 10:30 PM	49.3	46.5	-	49.1	44.3	4.8
10:30 PM - 10:35 PM	48.5	46.5	-	47.2	44.8	2.4
10:35 PM - 10:40 PM	48.1	46.7	-	45.5	44.7	0.8
10:40 PM - 10:45 PM	48.2	47.8	-	40.6	44.9	-4.3
10:45 PM - 10:50 PM	46.6	49.1	-	NA	45.6	-
10:50 PM - 10:55 PM	50.5	46.4	-	51.4	44.7	6.2
10:55 PM - 11:00 PM	47.8	47.4	-	37.1	45.1	-8.0
11:00 PM - 11:05 PM	48.3	48.1	-	44.2	46.9	-2.7
11:05 PM - 11:10 PM	48.7	50.2	-	37.2	46.4	-9.2
11:10 PM - 11:15 PM	42.8	52.5	-	26	46.5	-
11:15 PM - 11:20 PM	42.7	42.1	-	41.8	45.9	-4.1
11:20 PM - 11:25 PM	49.5	47.7	-	42.8	45.9	1.9
11:25 PM - 11:30 PM	43.3	46.9	-	49.0	45.4	2.8
11:30 PM - 11:35 PM	48.9	45.8	-	43.0	42.7	6.2
11:35 PM - 11:40 PM	49.4	43.2	-	51.2	42.9	-
11:40 PM - 11:45 PM	46.4	44.7	-	44.5	47.9	1.6
11:45 PM - 11:50 PM	46.0	45.8	-	35.5	44.4	-8.9
11:50 PM - 11:55 PM	46.5	41.6	-	44.0	43.8	0.2
11:55 PM - 12:00 AM	46.9	43.6	-	41.0	43.6	-2.6
12:00 AM - 11:55 AM	47.5	43.5	-	48.3	41.5	6.7
12:05 AM - 12:10 AM	46.0	47.1	-	46	43.8	-
12:10 AM - 12:15 AM	50.7	46.9	-	47.9	44.6	-



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 3, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

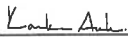
Sample No. : 2454490-22
Parameter : เสียงรบกวน
Location : สถานีรถไฟ (GPS 48Q 276924, 7887971)
Measurement Date : May 25 - 26, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017255-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		เสียงรบกวน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
09:00 AM - 10:00 AM	51.9	51.2	43.6	-	41.7	1.9
10:00 AM - 11:00 AM	50.8	50.5	39.0	-	41.8	-2.8
11:00 AM - 12:00 PM	51.0	50.4	42.1	-	40.5	1.6
12:00 PM - 01:00 PM	50.1	49.8	44.2	-	39.4	4.8
01:00 PM - 02:00 PM	49.7	50.5	41.0	-	39.2	-
02:00 PM - 03:00 PM	47.8	49.0	40.9	-	39.4	-
03:00 PM - 04:00 PM	53.4	51.8	40.3	-	40.4	2.9
04:00 PM - 05:00 PM	48.5	49.8	41.0	-	39.3	-
05:00 PM - 06:00 PM	57.7	50.6	50.8	-	42.5	14.3
06:00 PM - 07:00 PM	55.5	50.7	53.8	-	43.7	10.1
07:00 PM - 08:00 PM	58.4	46.7	58.2	-	43.9	14.3
08:00 PM - 09:00 PM	48.9	49.2	49.9	-	44.2	-
09:00 PM - 10:00 PM	48.2	45.1	43.3	-	44.2	-
10:00 PM - 10:55 PM	47.2	44.5	-	46.3	44.4	1.9
10:55 PM - 11:00 PM	47.3	44.6	-	47.2	44.7	2.8
11:00 PM - 11:15 PM	52.0	44.6	-	54.1	44.0	10.1
11:15 PM - 11:30 PM	48.8	44.5	-	49.8	44.0	5.8
11:30 PM - 11:45 PM	47.1	44.3	-	48.8	42.7	3.7
11:45 PM - 11:55 PM	48.5	44.6	-	49.2	43.5	5.6
11:55 PM - 12:05 PM	47.5	44.7	-	47.3	44.1	3.2
12:05 PM - 12:15 PM	50.2	44.3	-	51.9	43.9	8.0
12:15 PM - 12:45 PM	47.1	44.3	-	46.9	43.9	3.0
12:45 PM - 12:50 PM	49.7	55.8	-	49.9	43.9	-
12:50 PM - 12:55 PM	46.3	44.0	-	45.4	42.5	1.8
12:55 PM - 11:00 AM	46.2	43.6	-	45.7	43.0	2.7
11:00 PM - 11:05 PM	51.4	43.7	-	53.6	43.2	10.4
11:05 PM - 11:10 PM	45.8	43.4	-	45.1	43.0	2.1
11:10 PM - 11:15 PM	46.2	43.5	-	45.5	42.8	2.0
11:15 PM - 11:20 PM	46.3	43.4	-	46.2	42.9	3.3
11:20 PM - 11:25 PM	48.8	43.7	-	50.2	43.1	7.1
11:25 PM - 11:30 PM	48.6	43.7	-	49.3	43.1	6.8
11:30 PM - 11:35 PM	47.4	43.4	-	48.1	43.0	5.1
11:35 PM - 11:40 PM	48.0	43.2	-	49.3	42.6	6.7
11:40 PM - 11:45 PM	49.3	43.0	-	51.1	42.5	8.6
11:45 PM - 11:50 PM	49.5	42.9	-	51.6	42.4	1.8
11:50 PM - 11:55 PM	47.8	42.7	-	49.2	42.1	7.1
11:55 PM - 12:00 AM	47.3	42.2	-	48.2	42.3	5.9
12:00 AM - 12:05 AM	48.8	42.3	-	49.3	41.7	7.6
12:05 AM - 12:10 AM	47.5	42.8	-	50.6	41.9	8.7
12:10 AM - 12:15 AM	48.8	42.4	-	50.7	41.8	8.9

The above results are valid only for the measurement period as indicated in the report. No other results are valid for the measurement period as indicated in the report. The above results are valid only for the measurement period as indicated in the report. No other results are valid for the measurement period as indicated in the report.

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 3, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

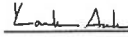
Sample No. : 2454490-22
Parameter : เสียงรบกวน
Location : สถานีรถไฟ (GPS 48Q 276924, 7887971)
Measurement Date : May 25 - 26, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017255-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		เสียงรบกวน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
12:15 AM - 12:20 AM	47.1	43.3	-	40.4	41.3	2.1
12:20 AM - 12:25 AM	44.8	41.6	-	45.0	41.1	3.9
12:25 AM - 12:30 AM	45.1	41.8	-	45.4	41.1	4.3
12:30 AM - 12:35 AM	46.1	41.6	-	47.2	41.2	6.8
12:35 AM - 12:40 AM	47.1	42.0	-	48.5	41.2	7.3
12:40 AM - 12:45 AM	45.3	41.7	-	45.8	41.1	4.7
12:45 AM - 12:50 AM	45.8	41.7	-	46.7	41.2	5.5
12:50 AM - 12:55 AM	45.2	41.6	-	45.7	41.0	4.7
12:55 AM - 01:00 AM	44.8	41.7	-	44.9	41.2	3.7
01:00 AM - 01:05 AM	44.8	42.3	-	44.2	41.6	2.6
01:05 AM - 01:10 AM	44.4	42.0	-	43.7	41.3	2.5
01:10 AM - 01:15 AM	44.4	41.9	-	43.8	41.2	2.6
01:15 AM - 01:20 AM	46.3	46.6	-	44.7	40.9	3.8
01:20 AM - 01:25 AM	45.9	42.1	-	44.7	41.4	2.5
01:25 AM - 01:30 AM	44.6	41.9	-	44.6	41.2	3.4
01:30 AM - 01:35 AM	44.3	42.0	-	43.4	41.4	2.9
01:35 AM - 01:40 AM	44.3	42.0	-	43.4	41.3	2.5
01:40 AM - 01:45 AM	45.4	41.9	-	45.8	41.3	4.5
01:45 AM - 01:50 AM	44.1	41.3	-	44.7	41.3	-
01:50 AM - 01:55 AM	44.8	41.3	-	43.7	40.7	3.0
01:55 AM - 02:00 AM	44.8	41.6	-	44.7	40.3	4.5
02:00 AM - 02:05 AM	44.1	40.7	-	44.4	40.1	4.3
02:05 AM - 02:10 AM	44.1	40.5	-	44.6	39.9	4.7
02:10 AM - 02:15 AM	43.9	39.4	-	43.0	39.2	4.7
02:15 AM - 02:20 AM	44.8	38.8	-	46.3	38.1	8.7
02:20 AM - 02:25 AM	44.2	39.6	-	45.5	38.2	7.3
02:25 AM - 02:30 AM	44.2	40.7	-	44.6	38.3	6.3
02:30 AM - 02:35 AM	45.1	38.2	-	45.1	37.3	7.8
02:35 AM - 02:40 AM	44.7	38.2	-	46.6	37.5	9.1
02:40 AM - 02:45 AM	43.9	38.6	-	45.4	38.0	7.4
02:45 AM - 02:50 AM	44.8	39.7	-	45.9	37.9	8.0
02:50 AM - 02:55 AM	43.8	38.8	-	45.1	37.9	7.2
02:55 AM - 03:00 AM	43.5	38.9	-	44.7	37.3	7.3
03:00 AM - 03:05 AM	43.9	38.1	-	44.7	37.3	7.3
03:05 AM - 03:10 AM	44.2	38.4	-	45.2	37.1	8.1
03:10 AM - 03:15 AM	45.2	37.9	-	47.3	37.2	10.1
03:15 AM - 03:20 AM	43.3	39.1	-	44.2	38.2	6.0
03:20 AM - 03:25 AM	43.3	38.5	-	44.6	37.6	7.0
03:25 AM - 03:30 AM	43.3	38.0	-	45.1	37.0	8.1
03:30 AM - 03:35 AM	45.8	40.0	-	47.5	38.6	9.5

The above results are valid only for the measurement period as indicated in the report. No other results are valid for the measurement period as indicated in the report. The above results are valid only for the measurement period as indicated in the report. No other results are valid for the measurement period as indicated in the report.

Approved by 
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 3, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454490-22
Parameter : เสียงรบกวน
Location : สถานีรถไฟ (GPS 48Q 276924, 7887971)
Measurement Date : May 25 - 26, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017255-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเสียง (dB(A))		เสียงรบกวน	ค่าเสียง
			ค่าเสียง	ค่าเสียง		ค่าเสียง
03:35 AM - 03:40 AM	44.3	38.7	-	45.9	37.8	8.1
03:40 AM - 03:45 AM	43.1	37.9	-	44.5	37.0	7.5
03:45 AM - 03:50 AM	43.2	39.9	-	43.5	37.7	5.8
03:50 AM - 03:55 AM	46.6	38.8	-	48.8	37.5	11.3
03:55 AM - 04:00 AM	43.3	38.7	-	43.5	37.8	5.7
04:00 AM - 04:05 AM	43.4	38.7	-	44.5	36.8	7.8
04:05 AM - 04:10 AM	43.2	38.9	-	44.2	36.8	7.4
04:10 AM - 04:15 AM	43.0	41.7	-	41.1	37.8	3.3
04:15 AM - 04:20 AM	43.0	42.8	-	32.5	37.2	-4.7
04:20 AM - 04:25 AM	43.6	41.1	-	43.0	37.1	5.9
04:25 AM - 04:30 AM	42.7	42.7	-	40.9	37.7	-
04:30 AM - 04:35 AM	42.6	42.9	-	40.9	37.2	-
04:35 AM - 04:40 AM	42.7	41.1	-	40.6	38.3	2.3
04:40 AM - 04:45 AM	42.4	41.9	-	35.8	39.0	-2.2
04:45 AM - 04:50 AM	44.1	45.7	-	40.9	39.0	-
04:50 AM - 04:55 AM	43.7	46.7	-	40.9	40.5	-
04:55 AM - 05:00 AM	47.3	47.9	-	40.9	40.5	-
05:00 AM - 05:05 AM	47.3	50.2	-	40.9	41.0	-
05:05 AM - 05:10 AM	47.8	54.4	-	40.9	41.6	-
05:10 AM - 05:15 AM	51.7	53.4	-	40.9	42.0	-
05:15 AM - 05:20 AM	51.2	53.9	-	40.9	43.4	-
05:20 AM - 05:25 AM	52.1	53.7	-	51.3	44.4	6.5
05:25 AM - 05:30 AM	52.7	53.7	-	40.9	44.3	-
05:30 AM - 05:35 AM	53.0	48.1	-	54.3	42.7	13.6
05:35 AM - 05:40 AM	51.8	49.5	-	50.9	42.4	8.5
05:40 AM - 05:45 AM	52.9	49.0	-	53.6	42.3	11.3
05:45 AM - 05:50 AM	50.3	56.3	-	40.9	42.5	-
05:50 AM - 05:55 AM	53.2	52.9	-	51.3	41.8	10.4
05:55 AM - 06:00 AM	51.5	52.4	N/A	-	42.1	-
06:00 AM - 06:05 AM	52.6	49.0	50.1	-	39.7	10.4
06:05 AM - 06:10 AM	50.3	49.2	43.8	-	40.9	2.9

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016

2. In-house method : STM 06-001 based on ISO 1996-1 : 2016

3. In-house method : STM 06-001 based on ISO 1996-1 : 2016

4. In-house method : STM 06-001 based on ISO 1996-1 : 2016

5. In-house method : STM 06-001 based on ISO 1996-1 : 2016

6. In-house method : STM 06-001 based on ISO 1996-1 : 2016

7. In-house method : STM 06-001 based on ISO 1996-1 : 2016

8. In-house method : STM 06-001 based on ISO 1996-1 : 2016

9. In-house method : STM 06-001 based on ISO 1996-1 : 2016

10. In-house method : STM 06-001 based on ISO 1996-1 : 2016

11. In-house method : STM 06-001 based on ISO 1996-1 : 2016

12. In-house method : STM 06-001 based on ISO 1996-1 : 2016

13. In-house method : STM 06-001 based on ISO 1996-1 : 2016

14. In-house method : STM 06-001 based on ISO 1996-1 : 2016

15. In-house method : STM 06-001 based on ISO 1996-1 : 2016

16. In-house method : STM 06-001 based on ISO 1996-1 : 2016

17. In-house method : STM 06-001 based on ISO 1996-1 : 2016

18. In-house method : STM 06-001 based on ISO 1996-1 : 2016

19. In-house method : STM 06-001 based on ISO 1996-1 : 2016

20. In-house method : STM 06-001 based on ISO 1996-1 : 2016

21. In-house method : STM 06-001 based on ISO 1996-1 : 2016

22. In-house method : STM 06-001 based on ISO 1996-1 : 2016

23. In-house method : STM 06-001 based on ISO 1996-1 : 2016

24. In-house method : STM 06-001 based on ISO 1996-1 : 2016

25. In-house method : STM 06-001 based on ISO 1996-1 : 2016

26. In-house method : STM



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Sample No. : 2454490-26
Parameter : เสียงรบกวน
Location : 18กิโลเมตร (GPS 48Q 276924, 7887971)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017259-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่ารวม
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	49.4	56.9	N/A	-	42.1	-
10:00 AM - 11:00 AM	51.7	51.7	49.4	-	42.4	7.0
11:00 AM - 12:00 PM	51.1	49.5	50.6	-	42.0	-
12:00 PM - 01:00 PM	48.3	50.2	N/A	-	40.6	-
01:00 PM - 02:00 PM	51.6	49.3	47.7	-	40.5	2.2
02:00 PM - 03:00 PM	50.6	51.7	N/A	-	39.9	-
03:00 PM - 04:00 PM	50.2	46.8	46.6	-	29.3	5.1
04:00 PM - 05:00 PM	51.5	50.3	-	-	40.6	5.2
05:00 PM - 06:00 PM	48.8	52.5	N/A	-	43.9	-
06:00 PM - 07:00 PM	49.5	50.2	N/A	-	43.8	-
07:00 PM - 08:00 PM	54.4	47.2	51.5	-	43.1	8.4
08:00 PM - 09:00 PM	46.6	48.1	N/A	-	42.3	-
09:00 PM - 10:00 PM	50.4	47.6	47.2	-	41.8	5.4
10:00 PM - 10:55 PM	44.1	41.9	-	-	40.1	4.1
10:55 PM - 11:10 PM	43.2	41.4	-	-	40.6	0.9
11:10 PM - 11:15 PM	42.7	41.1	-	-	40.5	0.1
11:15 PM - 11:20 PM	42.8	42.5	-	-	34.0	-6.7
11:20 PM - 11:25 PM	43.6	51.9	-	-	40.9	-
11:25 PM - 11:30 PM	43.5	41.4	-	-	40.6	1.7
11:30 PM - 11:35 PM	43.1	40.9	-	-	40.1	-
11:35 PM - 11:40 PM	44.0	41.3	-	-	40.2	3.9
11:40 PM - 11:45 PM	43.5	41.9	-	-	40.7	0.7
11:45 PM - 11:50 PM	44.5	41.1	-	-	40.6	4.2
11:50 PM - 11:55 PM	43.9	41.0	-	-	39.6	-
11:55 PM - 12:00 PM	43.7	40.9	-	-	39.8	4.4
12:00 PM - 11:55 PM	44.0	40.3	-	-	44.6	3.4
11:55 PM - 11:50 PM	43.4	40.4	-	-	43.4	3.9
11:50 PM - 11:45 PM	43.0	41.8	-	-	37.7	0.9
11:45 PM - 11:40 PM	44.1	44.4	-	-	40.9	4.1
11:40 PM - 11:35 PM	46.0	49.8	-	-	45.2	6.5
11:35 PM - 11:30 PM	47.0	49.0	-	-	40.0	5.3
11:30 PM - 11:25 PM	44.4	40.5	-	-	39.6	5.5
11:25 PM - 11:20 PM	41.5	40.5	-	-	41.2	2.9
11:20 PM - 11:15 PM	42.8	40.8	-	-	41.5	1.9
11:15 PM - 11:10 PM	42.5	41.1	-	-	41.5	0.1
11:10 PM - 11:05 PM	42.7	40.4	-	-	41.8	1.9
11:05 PM - 11:00 PM	42.3	40.7	-	-	40.2	0.1
11:00 AM - 12:00 AM	42.1	40.5	-	-	39.9	0.7
12:00 AM - 12:05 AM	42.7	40.9	-	-	41.0	0.9
12:05 AM - 12:10 AM	43.0	41.2	-	-	41.3	1.1

The above results are valid only for the ambient noise level as indicated in the report. No part of the report should be used for any purpose other than the intended use without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. is not responsible for the results of the report if the report is not used for its intended purpose.

Approved by

Kanokorn Anek
Senior Manager



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Sample No. : 2454490-26
Parameter : เสียงรบกวน
Location : 18กิโลเมตร (GPS 48Q 276924, 7887971)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017259-1

Page 2 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่ารวม
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	42.3	41.0	-	-	39.0	-0.9
12:20 AM - 12:25 AM	43.0	41.6	-	-	40.4	-0.6
12:25 AM - 12:30 AM	42.7	42.5	-	-	32.2	-9.2
12:30 AM - 12:35 AM	43.1	41.8	-	-	40.2	-0.6
12:35 AM - 12:40 AM	42.8	40.9	-	-	41.3	-0.2
12:40 AM - 12:45 AM	44.9	44.2	-	-	29.6	-1.8
12:45 AM - 12:50 AM	46.1	42.4	-	-	44.2	0.6
12:50 AM - 12:55 AM	48.1	45.2	-	-	46.0	4.5
12:55 AM - 01:00 AM	51.1	45.6	-	-	52.7	8.2
01:00 AM - 01:05 AM	48.1	47.4	-	-	42.8	-1.7
01:05 AM - 01:10 AM	51.0	46.0	-	-	51.0	6.5
01:10 AM - 01:15 AM	47.3	45.3	-	-	46.0	1.7
01:15 AM - 01:20 AM	47.8	44.6	-	-	48.0	4.1
01:20 AM - 01:25 AM	47.8	52.4	-	-	47.8	-
01:25 AM - 01:30 AM	46.6	44.5	-	-	45.4	2.4
01:30 AM - 01:35 AM	45.2	42.4	-	-	45.0	4.2
01:35 AM - 01:40 AM	43.6	40.1	-	-	44.0	4.8
01:40 AM - 01:45 AM	42.8	39.8	-	-	42.8	3.9
01:45 AM - 01:50 AM	42.5	39.9	-	-	43.0	4.7
01:50 AM - 01:55 AM	41.8	39.9	-	-	40.3	1.2
01:55 AM - 02:00 AM	41.3	40.2	-	-	37.8	-0.8
02:00 AM - 02:05 AM	41.9	38.6	-	-	42.2	4.3
02:05 AM - 02:10 AM	41.7	40.0	-	-	39.8	0.8
02:10 AM - 02:15 AM	41.7	39.5	-	-	40.7	2.1
02:15 AM - 02:20 AM	41.7	40.4	-	-	39.8	-0.2
02:20 AM - 02:25 AM	42.1	39.4	-	-	41.8	3.2
02:25 AM - 02:30 AM	42.3	40.0	-	-	41.4	2.5
02:30 AM - 02:35 AM	41.9	39.4	-	-	41.3	5.1
02:35 AM - 02:40 AM	42.1	38.8	-	-	42.4	4.4
02:40 AM - 02:45 AM	42.1	39.1	-	-	42.0	4.2
02:45 AM - 02:50 AM	41.8	40.1	-	-	40.1	2.0
02:50 AM - 02:55 AM	42.2	41.1	-	-	39.9	-1.4
02:55 AM - 03:00 AM	42.3	40.4	-	-	40.8	3.4
03:00 AM - 03:05 AM	42.8	42.2	-	-	35.9	-2.3
03:05 AM - 03:10 AM	42.8	42.9	-	-	42.9	2.9
03:10 AM - 03:15 AM	42.4	40.9	-	-	40.3	1.5
03:15 AM - 03:20 AM	41.9	39.8	-	-	39.0	1.7
03:20 AM - 03:25 AM	41.8	41.2	-	-	39.2	-
03:25 AM - 03:30 AM	41.9	41.8	-	-	38.5	-9.7
03:30 AM - 03:35 AM	41.6	40.4	-	-	38.4	-1.1

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Approved by

Kanokorn Anek
Senior Manager



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Sample No. : 2454490-26
Parameter : เสียงรบกวน
Location : 18กิโลเมตร (GPS 48Q 276924, 7887971)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017259-1

Page 1 of 3

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่ารวม
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	42.0	39.4	-	-	41.5	3.1
03:40 AM - 03:45 AM	42.0	39.1	-	-	41.9	3.8
03:45 AM - 03:50 AM	41.8	39.8	-	-	41.8	-
03:50 AM - 03:55 AM	46.3	38.3	-	-	48.6	32.1
03:55 AM - 04:00 AM	41.9	38.2	-	-	42.5	37.1
04:00 AM - 04:05 AM	41.6	40.2	-	-	38.7	1.9
04:05 AM - 04:10 AM	41.1	41.2	-	-	41.4	-
04:10 AM - 04:15 AM	40.3	42.9	-	-	41.2	-
04:15 AM - 04:20 AM	40.2	42.1	-	-	41.2	-
04:20 AM - 04:25 AM	40.9	40.9	-	-	41.9	-
04:25 AM - 04:30 AM	41.0	40.0	-	-	37.5	0.1
04:30 AM - 04:35 AM	41.9	39.8	-	-	40.7	4.9
04:35 AM - 04:40 AM	41.6	44.5	-	-	41.9	36.9
04:40 AM - 04:45 AM	42.2	44.5	-	-	41.9	37.8
04:45 AM - 04:50 AM	42.9	45.7	-	-	41.9	38.9
04:50 AM - 04:55 AM	42.9	45.9	-	-	42.9	-
04:55 AM - 05:00 AM	43.3	51.7	-	-	42.0	-
05:00 AM - 05:05 AM	45.0	52.3	-	-	41.9	-
05:05 AM - 05:10 AM	51.9	52.6	-	-	42.9	-
05:10 AM - 05:15 AM	53.5	54.3	-	-	40.4	-
05:15 AM - 05:20 AM	51.3	55.4	-	-	42.2	-
05:20 AM - 05:25 AM	51.9	56.1	-	-	45.5	11.0
05:25 AM - 05:30 AM	51.4	54.9	-	-	45.6	-
05:30 AM - 05:35 AM	51.9	54.9	-	-	45.6	-
05:35 AM - 05:40 AM	50.0	55.6	-	-	45.7	-
05:40 AM - 05:45 AM	48.6	53.1	-	-	44.4	-
05:45 AM - 05:50 AM	50.7	51.9	-	-	44.2	-
05:50 AM - 05:55 AM	49.2	52.1	-	-	43.5	-
05:55 AM - 06:00 AM	49.1	51.1	-	-	44.2	-
06:00 AM - 06:05 AM	51.7	51.7	-	-	43.0	-
06:05 AM - 06:10 AM	51.0	51.1	-	-	43.0	-
06:10 AM - 06:15 AM	49.3	51.2	-	-	41.6	-

Reference Method :

- In-house method : STH 06-001 based on ISO 1961-1 : 2016
- อุปกรณ์ที่ใช้ในการวัดเสียงรบกวน : เครื่องวัดเสียงรบกวนแบบพกพา รุ่น 2410000125343_EIA Monitoring
- ผู้ดำเนินการทดสอบ : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้ตรวจสอบ : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้รับรอง : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้ให้คำปรึกษา : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้จัดทำรายงาน : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้ตรวจสอบรายงาน : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้รับรองรายงาน : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring
- ผู้ให้คำปรึกษารายงาน : บริษัท อีเอสแอล จำกัด (มหาชน) 2410000125343_EIA Monitoring

The above results are valid only for the ambient noise level as indicated in the report. No part of the report should be used for any purpose other than the intended use without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. is not responsible for the results of the report if the report is not used for its intended purpose.

Approved by

Kanokorn Anek
Senior Manager



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :
Sample No. : 2454490-27
Parameter : เสียงรบกวน
Location : 18กิโลเมตร (GPS 48Q 276924, 7887971)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00371916

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017260-1

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เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนโดยประมาณ	เสียงรบกวนจากโรงงาน		เสียงรบกวน	ค่ารวม
			กลางวัน	กลางคืน		
09:00 AM - 10:00 AM	47.1	50.9	N/A	-	42.7	-
10:00 AM - 11:00 AM	48.3	51.1	N/A	-	42.0	-
11:00 AM - 12:00 PM	48.9	49.9	N/A	-	42.1	-
12:00 PM - 01:00 PM	49.5	50.5	N/A	-	42.4	-
01:00 PM - 02:00 PM	50.9	51.6	N/A	-	42.8	-
02:00 PM - 03:00 PM	48.9	52.8	N/A	-	42.6	-
03:00 PM - 04:00 PM	49.8	50.2	N/A	-	42.5	-
04:00 PM - 05:00 PM	54.4	52.2	50.4	-	41.1	9.3
05:00 PM - 06:00 PM	57.7	50.4	50.4	-	42.5	14.3
06:00 PM - 07:00 PM	55.8	48.6	54.9	-	43.2	11.7
07:00 PM - 08:00 PM	51.8	50.4	50.4	-	45.3	5.1
08:00 PM - 09:00 PM	49.5	45.9	45.9	-	44.3	1.6
09:00 PM - 10:00 PM	50.8	45.5	49.9	-	42.5	2.4
10:00 PM - 10:05 PM	52.6	42.8	-	55.1	42.2	12.9
10:05 PM - 10:10 PM	52.6	42.6	-	55.1	42.0	13.1
10:10 PM - 10:15 PM	50.3	43.0	-	52.4	42.0	10.4
10:15 PM - 10:20 PM	51.4	48.8	-	50.9	42.4	8.5
10:20 PM - 10:25 PM	50.8	42.2	-	52.2	41.4	8.9
10:25 PM - 10:30 PM	49.9	42.2	-	51.1	41.5	10.6
10:30 PM - 10:35 PM	49.8	42.6	-	52.9	41.9	10.0
10:35 PM - 10:40 PM	51.9	42.7	-	53.2	41.9	11.4
10:40 PM - 10:45 PM	49.4	43.9	-	51.0	42.2	1.8
10:45 PM - 10:50 PM	49.4	43.0	-	51.3	42.2	0.1
10:50 PM - 10:55 PM	49.5	42.9	-	51.4	42.0	0.4
10:55 PM - 11:00 PM	49.7	42.9	-	51.7	42.0	0.7
11:00 PM - 11:05 PM	54.7	42.7	-	52.4	42.0	15.4
11:05 PM - 11:10 PM	54.6	43.3	-	57.3	41.8	15.5
11:10 PM - 11:15 PM	49.2	41.6	-	51.4	40.9	10.5
11:15 PM - 11:20 PM	49.4	43.4	-	51.4	41.4	10.0
11:20 PM - 11:25 PM	49.4	42.0	-	51.5	41.4	10.1
11:25 PM - 11:30 PM	49.5	42.2	-	51.6	41.7	9.9
11:30 PM - 11:35 PM	49.2	42.0	-	51.4	41.3	10.1
11:35 PM - 11:40 PM	49.2	42.0	-	51.3	41.3	10.2
11:40 PM - 11:45 PM	45.7	41.7	-	68.7	41.1	22.6
11:45 PM - 12:00 AM	48.8	41.7	-	50.9	41.0	5.9
12:00 AM - 11:55 PM	48.8	41.7	50.9	-	40.4	10.3
11:55 PM - 12:00 AM	48.9	42.7	-	51.2	39.8	11.4
12:00 AM - 12:05 AM	48.9	41.4	-	51.0	40.5	10.5
12:05 AM - 11:58 AM	49.1	41.3	-	49.9	40.4	9.5
11:58 AM - 12:00 AM	49.3	41.8	-	51.6	40.4	10.0



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017260-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-27
Parameter (ไอออนบวก)
Location (โรงงาน) (GPS 40Q 276924, 7887971)
Measurement Date May 20 - 31, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการดำเนินงาน		เสียงรบกวน	ค่าพิกัด
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	44.2	40.9	-	44.5	40.2	4.3
12:20 AM - 12:25 AM	44.2	41.4	-	44.0	40.7	3.3
12:25 AM - 12:30 AM	43.9	41.3	-	43.4	40.3	3.1
12:30 AM - 12:35 AM	43.1	40.8	-	44.1	39.9	6.2
12:35 AM - 12:40 AM	44.1	40.3	-	44.8	39.5	5.3
12:40 AM - 12:45 AM	42.2	41.8	-	40.7	40.6	1.3
12:45 AM - 12:50 AM	43.8	42.1	-	41.9	40.1	1.8
12:50 AM - 12:55 AM	46.1	40.7	-	44.4	39.7	4.7
12:55 AM - 01:00 AM	41.5	40.3	-	43.5	39.9	2.6
01:00 AM - 01:05 AM	44.0	40.6	-	43.2	40.6	3.1
01:05 AM - 01:10 AM	44.3	45.4	-	N/A	40.5	-
01:10 AM - 01:15 AM	44.7	41.4	-	42.8	40.4	2.4
01:15 AM - 01:20 AM	43.6	41.0	-	43.1	40.3	2.9
01:20 AM - 01:25 AM	43.7	42.0	-	41.8	40.2	1.6
01:25 AM - 01:30 AM	43.5	41.0	-	42.9	40.2	2.7
01:30 AM - 01:35 AM	43.8	40.8	-	43.5	39.9	1.6
01:35 AM - 01:40 AM	42.7	40.4	-	N/A	41.1	-
01:40 AM - 01:45 AM	43.1	41.5	-	41.0	40.1	0.9
01:45 AM - 01:50 AM	45.0	41.1	-	44.9	40.9	4.0
01:50 AM - 01:55 AM	45.1	41.0	-	45.3	40.2	5.1
01:55 AM - 02:00 AM	44.0	40.9	-	44.4	39.7	4.7
02:00 AM - 02:05 AM	43.1	42.0	-	39.6	39.6	0.0
02:05 AM - 02:10 AM	43.3	40.8	-	42.7	39.6	3.1
02:10 AM - 02:15 AM	43.0	42.2	-	38.3	40.3	-2.0
02:15 AM - 02:20 AM	42.8	40.3	-	42.2	39.1	3.1
02:20 AM - 02:25 AM	42.8	39.9	-	42.7	39.0	3.7
02:25 AM - 02:30 AM	43.1	39.3	-	43.1	39.3	3.8
02:30 AM - 02:35 AM	42.4	40.7	-	40.5	39.3	1.2
02:35 AM - 02:40 AM	42.1	43.5	-	39.6	38.8	0.8
02:40 AM - 02:45 AM	42.8	41.8	-	39.7	39.7	0.0
02:45 AM - 02:50 AM	42.6	39.9	-	42.3	38.6	3.5
02:50 AM - 02:55 AM	42.7	40.3	-	42.0	38.9	3.1
02:55 AM - 03:00 AM	43.2	40.2	-	41.5	38.8	2.7
03:00 AM - 03:05 AM	44.9	43.1	-	43.2	38.8	4.4
03:05 AM - 03:10 AM	42.9	40.7	-	44.7	38.9	5.8
03:10 AM - 03:15 AM	41.9	42.3	-	42.3	39.3	3.1
03:15 AM - 03:20 AM	43.7	39.8	-	44.4	38.5	5.9
03:20 AM - 03:25 AM	43.0	38.8	-	43.9	37.7	6.2
03:25 AM - 03:30 AM	43.4	40.4	-	43.4	37.9	5.5
03:30 AM - 03:35 AM	43.8	38.9	-	44.3	38.8	5.5

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Approved by
Kankom Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017260-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454490-27
Parameter (ไอออนบวก)
Location (โรงงาน) (GPS 40Q 276924, 7887971)
Measurement Date May 20 - 31, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการดำเนินงาน		เสียงรบกวน	ค่าพิกัด
			กลางวัน	กลางคืน		
03:35 AM - 03:40 AM	42.8	40.6	-	4.3	41.8	6.2
03:40 AM - 03:45 AM	46.2	37.9	-	48.9	36.2	12.3
03:45 AM - 03:50 AM	42.6	37.7	-	43.9	36.8	2.1
03:50 AM - 03:55 AM	48.9	38.0	-	51.5	36.5	15.0
03:55 AM - 04:00 AM	40.6	37.8	-	40.4	36.2	3.7
04:00 AM - 04:05 AM	41.3	39.6	-	37.8	37.8	3.6
04:05 AM - 04:10 AM	41.8	38.5	-	42.1	36.4	5.7
04:10 AM - 04:15 AM	42.5	40.0	-	41.9	37.0	4.9
04:15 AM - 04:20 AM	42.3	42.3	-	38.7	37.4	1.3
04:20 AM - 04:25 AM	42.3	41.6	-	37.0	36.7	0.7
04:25 AM - 04:30 AM	42.3	40.9	-	41.3	36.5	4.8
04:30 AM - 04:35 AM	42.3	40.9	-	39.7	36.9	2.8
04:35 AM - 04:40 AM	42.1	41.6	-	35.5	37.2	-1.7
04:40 AM - 04:45 AM	41.9	44.5	-	N/A	37.0	-
04:45 AM - 04:50 AM	42.6	42.3	-	33.8	37.6	-3.8
04:50 AM - 04:55 AM	43.5	43.0	-	N/A	38.3	-
04:55 AM - 05:00 AM	42.7	50.3	-	N/A	41.7	-
05:00 AM - 05:05 AM	43.0	55.0	-	N/A	45.5	-
05:05 AM - 05:10 AM	45.9	54.2	-	N/A	42.3	-
05:10 AM - 05:15 AM	50.8	53.9	-	N/A	44.3	-
05:15 AM - 05:20 AM	53.8	54.3	-	53.5	45.6	7.9
05:20 AM - 05:25 AM	37.9	54.4	-	58.3	45.9	12.4
05:25 AM - 05:30 AM	54.4	54.4	-	N/A	46.3	-
05:30 AM - 05:35 AM	53.5	53.4	-	N/A	45.9	-
05:35 AM - 05:40 AM	54.2	55.2	-	N/A	44.9	-
05:40 AM - 05:45 AM	52.7	53.5	-	N/A	44.5	-
05:45 AM - 05:50 AM	51.0	46.5	-	52.9	43.6	9.3
05:50 AM - 05:55 AM	42.9	44.2	-	51.5	43.1	8.4
05:55 AM - 06:00 AM	32.8	44.8	-	55.1	43.2	11.9
06:00 AM - 06:05 AM	50.9	44.6	49.7	-	43.1	6.6
06:05 AM - 06:10 AM	51.1	51.4	N/A	-	42.7	-
06:10 AM - 06:15 AM	49.4	50.7	N/A	-	42.7	-

Reference Method :
1. In-house method : STM 66-001 based on ISO 1998-1:2016
2. In-house method : Thai Standard for Noise Measurement (ฉบับแก้ไขเพิ่มเติม 24) มาตรฐาน 24-1 มาตรฐานการวัดเสียงรบกวนในสถานที่ทำงาน ม. 2567
หมายเหตุ :
1. ผลการตรวจวัดเสียงรบกวน (เสียงรบกวน) ที่วัดได้เกินค่ามาตรฐานที่กำหนดไว้ในมาตรฐาน ม. 2567
2. ผลการตรวจวัดเสียงรบกวน (เสียงรบกวน) ที่วัดได้เกินค่ามาตรฐานที่กำหนดไว้ในมาตรฐาน ม. 2567
3. ผลการตรวจวัดเสียงรบกวน (เสียงรบกวน) ที่วัดได้เกินค่ามาตรฐานที่กำหนดไว้ในมาตรฐาน ม. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017261-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454490-28
Parameter (ไอออนบวก)
Location (โรงงาน) (GPS 40Q 276924, 7887971)
Measurement Date May 21 - Jun 01, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 00371916

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	เสียงรบกวนการดำเนินงาน		เสียงรบกวน	ค่าพิกัด
			กลางวัน	กลางคืน		
09:00 AM - 09:05 AM	51.9	51.3	43.0	-	42.7	8.3
09:05 AM - 09:10 AM	55.6	49.9	54.2	-	42.5	12.2
09:10 AM - 09:15 AM	46.6	53.0	N/A	-	42.1	-
09:15 AM - 09:20 AM	46.6	48.7	N/A	-	42.4	-
09:20 AM - 09:25 AM	49.0	50.0	N/A	-	42.0	-
09:25 AM - 09:30 AM	47.9	51.4	N/A	-	42.6	-
09:30 AM - 09:35 AM	52.4	50.5	N/A	-	42.5	-
09:35 AM - 09:40 AM	52.6	50.0	49.1	-	41.1	8.0
09:40 AM - 09:45 AM	55.7	51.6	51.6	-	42.5	11.1
09:45 AM - 09:50 AM	51.7	49.4	42.8	-	43.2	4.6
09:50 AM - 09:55 AM	59.0	45.2	58.9	-	43.3	13.5
09:55 AM - 10:00 AM	46.3	45.2	44.3	-	44.3	8.0
10:00 AM - 10:05 AM	45.1	41.1	42.9	-	43.6	0.4
10:05 AM - 10:10 AM	44.5	41.7	-	44.3	42.2	2.1
10:10 AM - 10:15 AM	44.9	41.0	-	43.6	42.0	2.8
10:15 AM - 10:20 AM	44.4	41.5	-	44.3	42.0	2.3
10:20 AM - 10:25 AM	44.6	42.5	-	43.4	42.4	1.0
10:25 AM - 10:30 AM	45.0	41.8	-	45.2	41.4	3.8
10:30 AM - 10:35 AM	44.7	41.8	-	45.6	41.5	3.1
10:35 PM - 10:40 PM	43.4	41.8	-	45.9	41.9	4.0
10:40 PM - 10:45 PM	43.1	40.1	-	45.1	41.9	3.2
10:45 PM - 10:50 PM	43.5	41.9	-	46.0	42.7	3.8
10:50 PM - 10:55 PM	43.2	41.4	-	45.7	42.0	3.5
10:55 PM - 11:00 PM	45.0	42.2	-	44.8	42.0	2.8
11:00 PM - 11:05 PM	45.5	42.5	-	45.5	42.0	3.5
11:05 PM - 11:10 PM	46.0	42.6	-	46.5	42.0	4.5
11:10 PM - 11:15 PM	45.7	41.0	-	45.8	41.8	3.9
11:15 PM - 11:20 PM	45.4	49.4	-	N/A	40.9	-
11:20 PM - 11:25 PM	44.7	40.7	-	41.8	41.8	0.0
11:25 PM - 11:30 PM	44.5	40.0	-	43.9	41.4	2.5
11:30 PM - 11:35 PM	43.9	42.0	-	42.0	41.7	0.3
11:35 PM - 11:40 PM	43.6	42.0	-	41.3	40.2	1.4
11:40 PM - 11:45 PM	43.5	41.8	-	41.9	40.6	1.3
11:45 PM - 11:50 PM	43.9	41.8	-	42.7	41.3	1.4
11:50 PM - 11:55 PM	44.4	41.1	-	44.7	41.0	3.7
11:55 PM - 12:00 AM	44.1	41.6	-	43.5	40.5	2.9
12:00 AM - 12:05 AM	42.7	43.3	-	40.1	39.8	0.3
12:05 AM - 12:10 AM	46.3	41.4	-	42.8	40.5	7.1
12:10 AM - 12:15 AM	42.7	41.0	-	40.9	40.1	-0.3
12:15 AM - 12:20 AM	43.1	41.0	-	41.9	40.4	1.5

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number : 3017261-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454490-28
Parameter (ไอออนบวก)
Location (โรงงาน) (GPS 40Q 276924, 7887971)
Measurement Date May 21 - Jun 01, 2024
Measurement by Sangmanee Naisat
Sound Level Meter 00371916

ตามเงื่อนไข (ฉบับ A)						
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวนไม่มีการควบคุม	เสียงรบกวนการดำเนินงาน		เสียงรบกวน	ค่าพิกัดการดำเนินงาน
			กลางวัน	กลางคืน		
12:15 AM - 12:20 AM	41.8	40.8	-	36.9	40.2	-2.3
12:20 AM - 12:25 AM	41.9	41.2	-	36.6	40.7	-4.1
12:25 AM - 12:30 AM	43.5	40.9	-	43.0	40.3	2.7
12:30 AM - 12:35 AM	42.5	41.6	-	38.2	39.9	-1.7
12:35 AM - 12:40 AM	42.5	41.6	-	39.9	39.9	0.0
12:40 AM - 12:45 AM	41.9	41.6	-	33.1	40.6	-7.5
12:45 AM - 12:50 AM	41.2	39.9	-	38.3	40.1	-1.8
12:50 AM - 12:55 AM	40.7	40.5	-	39.7	39.7	0.0
12:55 AM - 01:00 AM	40.1	40.3	-	33.1	39.8	-6.8
01:00 AM - 01:05 AM	40.4	40.4	-	39.9	40.4	0.0
01:05 AM - 01:10 AM	40.8	40.4	-	33.2	40.5	-7.3
01:10 AM - 01:15 AM	42.1	39.9	-	40.1	40.4	0.7
01:15 AM - 01:20 AM	42.3	39.8	-	43.7	40.7	1.5
01:20 AM - 01:25 AM	41.2	38.9	-	40.5	41.0	-0.5
01:25 AM - 01:30 AM	41.5	39.8	-	41.2	40.2	1.0
01:30 AM - 01:35 AM	41.7	38.3	-	42.6	39.9	2.1
01:35 AM - 01:40 AM	42.0	38.3	-	43.6	41.5	1.5
01:40 AM - 01:45 AM	41.8	38.8	-	42.2	40.1	2.1
01:45 AM - 01:50 AM	42.2	39.4	-	43.9	40.9	2.0
01:50 AM - 01:55 AM	42.0	39.3	-	43.9	40.9	2.0
01:55 AM - 02:00 AM	41.0	38.3	-	42.7	39.7	1.0
02:00 AM - 02:05 AM	40.5	38.4	-	39.3	39.6	-0.3
02:05 AM - 02:10 AM	40.4	38.9	-	36.9	39.6	-2.7
02:10 AM - 02:15 AM	40.5	39.0	-	38.8	40.3	-2.1
02:15 AM - 02:20 AM	41.8	39.7	-	39.3	39.1	0.2
02:20 AM - 02:25 AM	41.1	38.1	-	39.2	39.6	0.8
02:25 AM - 02:30 AM	41.1	40.1	-	36.8	39.3	-1.3
02:30 AM - 02:35 AM	42.2	41.2	-	37.5	39.3	-1.8
02:35 AM - 02:40 AM	42.7	41.5	-	40.5	38.8	1.8
02:40 AM - 02:45 AM	42.2	40.6	-	43.5	39.7	2.8
02:45 AM - 02:50 AM	41.8	38.3	-	43.4	38.8	4.6
02:50 AM - 02:55 AM	41.0	36.5	-	43.4	38.9	4.5
02:55 AM - 03:00 AM	41.8	35.0	-	43.5	38.6	4.9
03:00 AM - 03:05 AM	39.8	37.4	-	39.1	38.8	0.3
03:05 AM - 03:10 AM	38.3	35.9	-	38.9	38.9	-0.9
03:10 AM - 03:15 AM	38.8	36.0	-	38.6	38.3	0.3
03:15 AM - 03:20 AM	40.1	36.1	-	41.2	38.5	2.7
03:20 AM - 03:25 AM	38.5	37.3	-	35.3	37.7	-2.4
03:25 AM - 03:30 AM	39.1	37.1	-	34.9	37.1	-1.1
03:30 AM - 03:35 AM	39.0	37.0	-	35.7	36.8	0.8



Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454490
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017297-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454496-1
Parameter : เสียงรบกวน
Location : โรงโม่และโรงคัดแยกหน่อ (GPS 48Q 279384, 1899169)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sanglwan Hatawat
Sound Level Meter : 00900087

ตารางเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าเฉลี่ย	ค่ามาตรฐาน
03:35 AM - 03:40 AM	29.3	41.1	n/a	25.6	-
03:40 AM - 03:45 AM	29.7	38.0	27.8	26.2	1.6
03:45 AM - 03:50 AM	29.7	38.7	25.8	26.8	-1.9
03:50 AM - 03:55 AM	38.8	35.3	26.5	26.4	-
03:55 AM - 04:00 AM	38.1	35.9	27.1	26.7	0.4
04:00 AM - 04:05 AM	38.7	35.5	26.5	27.8	1.1
04:05 AM - 04:10 AM	38.8	35.3	26.4	26.4	0.0
04:10 AM - 04:15 AM	38.5	36.3	27.7	27.0	0.7
04:15 AM - 04:20 AM	38.6	37.7	24.3	27.4	-3.1
04:20 AM - 04:25 AM	39.3	41.2	n/a	26.3	-
04:25 AM - 04:30 AM	38.9	40.9	n/a	26.5	-
04:30 AM - 04:35 AM	39.1	37.7	36.5	26.9	-0.4
04:35 AM - 04:40 AM	39.2	44.8	n/a	27.2	-
04:40 AM - 04:45 AM	37.5	41.6	n/a	27.0	-
04:45 AM - 04:50 AM	39.0	45.9	n/a	27.6	-
04:50 AM - 04:55 AM	40.0	48.5	n/a	28.3	-
04:55 AM - 05:00 AM	40.1	49.9	n/a	41.7	-
05:00 AM - 05:05 AM	41.6	50.2	n/a	45.5	-
05:05 AM - 05:10 AM	52.2	51.5	58.8	42.3	18.5
05:10 AM - 05:15 AM	46.7	51.7	n/a	44.3	-
05:15 AM - 05:20 AM	49.4	54.5	n/a	45.6	-
05:20 AM - 05:25 AM	55.2	54.3	50.9	45.9	5.0
05:25 AM - 05:30 AM	49.6	52.7	n/a	46.3	-
05:30 AM - 05:35 AM	54.1	52.3	52.4	45.9	6.5
05:35 AM - 05:40 AM	48.7	53.0	n/a	44.9	-
05:40 AM - 05:45 AM	50.4	53.9	n/a	44.6	-
05:45 AM - 05:50 AM	47.2	51.9	n/a	43.6	-
05:50 AM - 05:55 AM	54.0	54.3	n/a	43.1	-
05:55 AM - 06:00 AM	53.4	56.0	48.7	43.2	5.5
06:00 AM - 07:00 AM	50.6	52.2	n/a	43.1	-
07:00 AM - 08:00 AM	50.5	46.7	46.2	42.7	6.5
08:00 AM - 09:00 AM	48.8	45.7	45.9	42.7	3.2
					≤ 50

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดเสียงรบกวน : ใช้ ไมโครโฟนวัดเสียงรบกวนแบบเคลื่อนที่ 24 ช่อง และเครื่องวัดเสียงรบกวนแบบพกพา (Type 1) Class 1

- หมายเหตุ :
- ผลการวัดเสียงรบกวน : ผลการวัดเสียงรบกวน ณ วันที่ 31 พฤษภาคม 2567
 - ผลการวัดเสียงรบกวน : ผลการวัดเสียงรบกวน ณ วันที่ 01 มิถุนายน 2567
 - ผลการวัดเสียงรบกวน : ผลการวัดเสียงรบกวน ณ วันที่ 01 มิถุนายน 2567
 - ผลการวัดเสียงรบกวน : ผลการวัดเสียงรบกวน ณ วันที่ 01 มิถุนายน 2567

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Approved by :
Kanokorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017297-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454496-1
Parameter : เสียงรบกวน
Location : โรงโม่และโรงคัดแยกหน่อ (GPS 48Q 279384, 1899169)
Measurement Date : May 25 - 26, 2024
Measurement by : Sanglwan Hatawat
Sound Level Meter : 00900087

ตารางเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าเฉลี่ย	ค่ามาตรฐาน
07:00 AM - 08:00 AM	55.4	53.4	n/a	48.6	4.8
08:00 AM - 09:00 AM	53.8	54.6	n/a	50.7	-
09:00 AM - 10:00 AM	51.6	53.7	n/a	50.5	-
10:00 AM - 11:00 AM	50.6	52.8	n/a	49.6	-
11:00 AM - 12:00 PM	51.3	54.7	n/a	49.9	-
12:00 PM - 01:00 PM	50.7	52.3	n/a	49.7	-
01:00 PM - 02:00 PM	51.4	54.8	n/a	49.9	-
02:00 PM - 03:00 PM	52.3	55.0	n/a	50.7	-
03:00 PM - 04:00 PM	52.5	55.5	n/a	51.1	-
04:00 PM - 05:00 PM	52.9	54.1	n/a	50.6	-
05:00 PM - 06:00 PM	53.3	54.9	n/a	51.6	-
06:00 PM - 07:00 PM	54.6	55.7	n/a	50.6	-
07:00 PM - 08:00 PM	54.4	52.9	54.4	49.4	9.1
08:00 PM - 09:00 PM	58.1	50.2	57.3	47.2	10.1
09:00 PM - 10:00 PM	55.5	48.2	55.8	45.8	10.0
10:00 PM - 10:30 PM	57.9	47.3	47.3	45.0	14.5
10:30 PM - 10:45 PM	56.8	45.8	45.8	44.4	15.0
10:45 PM - 10:55 PM	56.4	46.7	45.9	45.0	12.9
10:55 PM - 11:05 PM	56.7	45.3	45.3	44.5	14.9
11:05 PM - 11:15 PM	54.8	45.6	45.6	44.4	15.1
11:15 PM - 11:25 PM	55.8	46.1	45.8	44.9	13.4
11:25 PM - 11:35 PM	56.7	45.6	45.6	44.3	15.0
11:35 PM - 11:45 PM	56.3	45.8	45.8	44.9	13.5
11:45 PM - 11:55 PM	49.0	46.6	46.6	44.0	1.4
11:55 PM - 12:05 PM	53.9	46.3	46.3	43.7	11.3
12:05 PM - 12:15 PM	56.3	46.5	46.5	43.9	15.1
12:15 PM - 12:25 PM	56.3	46.5	46.5	43.9	14.9
12:25 PM - 12:35 PM	55.8	45.4	45.4	43.9	14.5
12:35 PM - 12:45 PM	55.8	45.7	45.7	44.7	13.7
12:45 PM - 12:55 PM	54.5	45.9	45.9	43.9	11.9
12:55 PM - 01:05 AM	46.5	46.0	46.0	43.0	-5.1
01:05 AM - 01:15 AM	46.5	46.2	46.2	44.4	-6.7
01:15 AM - 01:25 AM	46.2	47.0	47.0	44.6	-
01:25 AM - 01:35 AM	46.5	45.4	45.4	44.5	-1.5
01:35 PM - 01:40 PM	46.6	47.2	n/a	45.4	-
01:40 PM - 01:45 PM	47.8	47.3	n/a	45.8	-
01:45 PM - 01:50 PM	47.2	45.8	n/a	44.6	0.0
01:50 PM - 01:55 PM	47.4	45.4	n/a	43.7	2.4
01:55 PM - 02:00 AM	46.9	45.7	45.7	44.1	-0.8
02:00 AM - 02:05 AM	47.2	45.5	45.5	44.5	-

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017297-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454496-1
Parameter : เสียงรบกวน
Location : โรงโม่และโรงคัดแยกหน่อ (GPS 48Q 279384, 1899169)
Measurement Date : May 25 - 26, 2024
Measurement by : Sanglwan Hatawat
Sound Level Meter : 00900087

ตารางเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าเฉลี่ย	ค่ามาตรฐาน
12:05 AM - 12:10 AM	47.3	46.6	n/a	44.7	-2.7
12:10 AM - 12:15 AM	46.7	49.0	n/a	44.8	-
12:15 AM - 12:20 AM	49.3	46.8	n/a	44.7	-
12:20 AM - 12:25 AM	48.8	47.5	n/a	44.5	-
12:25 AM - 12:30 AM	46.6	48.5	n/a	46.3	-
12:30 AM - 12:35 AM	46.6	48.5	33.7	44.8	-11.6
12:35 AM - 12:40 AM	46.8	47.2	44.7	44.1	0.6
12:40 AM - 12:45 AM	45.4	46.1	n/a	44.6	-
12:45 AM - 12:50 AM	45.5	44.7	40.8	43.8	-3.0
12:50 AM - 12:55 AM	45.8	45.6	35.7	44.6	-3.3
12:55 AM - 01:00 AM	45.6	45.3	36.8	41.8	-7.0
01:00 AM - 01:05 AM	45.6	45.7	n/a	43.9	-
01:05 AM - 01:10 AM	45.3	45.0	35.5	43.6	-7.1
01:10 AM - 01:15 AM	45.5	45.1	37.9	43.5	-5.6
01:15 AM - 01:20 AM	45.6	45.4	n/a	44.0	-
01:20 AM - 01:25 AM	46.5	45.5	42.6	44.1	-1.5
01:25 AM - 01:30 AM	46.1	47.2	n/a	44.2	-
01:30 AM - 01:35 AM	45.6	45.5	n/a	44.0	-
01:35 AM - 01:40 AM	46.2	45.7	41.8	44.2	-2.3
01:40 AM - 01:45 AM	45.4	45.6	n/a	44.4	-
01:45 AM - 01:50 AM	46.2	44.5	36.4	44.0	-7.8
01:50 AM - 01:55 AM	45.1	45.8	n/a	43.8	-
01:55 AM - 02:00 AM	45.1	44.9	34.6	43.4	-8.9
02:00 AM - 02:05 AM	45.5	45.2	35.0	44.0	-9.0
02:05 AM - 02:10 AM	46.6	44.6	n/a	44.1	-
02:10 AM - 02:15 AM	45.3	44.5	40.6	43.7	-3.1
02:15 AM - 02:20 AM	45.0	45.6	n/a	44.0	-
02:20 AM - 02:25 AM	45.1	45.5	31.7	44.1	-12.4
02:25 AM - 02:30 AM	44.9	44.9	37.3	43.5	-6.2
02:30 AM - 02:35 AM	47.2	44.8	47.6	44.1	3.5
02:35 AM - 02:40 AM	39.7	45.3	42.3	44.3	0.0
02:40 AM - 02:45 AM	49.2	45.4	44.4	44.4	5.5
02:45 AM - 02:50 AM	48.7	45.1	42.2	44.0	5.2
02:50 AM - 02:55 AM	48.5	45.1	42.8	43.6	4.2
02:55 AM - 03:00 AM	48.3	45.1	43.9	43.1	-2.1
03:00 AM - 03:05 AM	48.0	46.2	n/a	42.2	2.1
03:05 AM - 03:10 AM	47.9	46.0	n/a	44.6	1.8
03:10 AM - 03:15 AM	45.5	43.5	42.1	44.6	2.5
03:15 AM - 03:20 AM	48.1	46.1	46.9	44.5	2.3
03:20 AM - 03:25 AM	48.9	46.2	48.6	44.6	4.0

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017297-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454496-1
Parameter : เสียงรบกวน
Location : โรงโม่และโรงคัดแยกหน่อ (GPS 48Q 279384, 1899169)
Measurement Date : May 25 - 26, 2024
Measurement by : Sanglwan Hatawat
Sound Level Meter : 00900087

ตารางเสียง (dB(A))					
เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรวม	ค่าเฉลี่ย	ค่ามาตรฐาน
03:25 AM - 03:30 AM	46.3	45.8	n/a	43.2	-3.6
03:30 AM - 03:35 AM	46.6	46.5	n/a	33.2	44.8
03:35 AM - 03:40 AM	46.9	46.1	n/a	42.2	-2.9
03:40 AM - 03:45 AM	45.9	46.7	n/a	43.9	-
03:45 AM - 03:50 AM	46.1	45.6	n/a	39.5	44.7
03:50 AM - 03:55 AM	46.1	46.3	n/a	44.9	-
03:55 AM - 04:00 AM	45.6	46.2	n/a	44.9	-
04:00 AM - 04:05 AM	46.9	46.9	n/a	45.9	-
04:05 AM - 04:10 AM	45.2	47.1	n/a	45.3	-
04:10 AM - 04:15 AM	48.2	46.8	n/a	45.3	1.4
04:15 AM - 04:20 AM	47.4	47.4	n/a	45.4	-
04:20 AM - 04:25 AM	46.9	46.7	36.4	45.4	-9.0
04:25 AM - 04:30 AM	46.8	46.4	39.2	45.1	-5.9
04:30 AM - 04:35 AM	46.8	45.9	42.5	45.0	-2.5
04:35 AM - 04:40 AM	47.9	46.1	42.9	44.6	1.6
04:40 AM - 04:45 AM	46.9	45.9	n/a	45.9	-
04:45 AM - 04:50 AM	46.5	46.3	n/a	45.2	-4.2
04:50 AM - 04:55 AM	48.5	46.1	47.8	45.3	2.5
04:55 AM - 05:00 AM	47.0	47.7	n/a	45.7	-
05:00 AM - 05:05 AM	47.4	46.6	n/a	43.7	-2.7
05:05 AM - 05:10 AM	46.9	47.2	n/a	45.7	-
05:10 AM - 05:15 AM	47.5	47.8	n/a	45.8	-
05:15 AM - 05:20 AM	47.8	47.3	41.2	45.4	-4.2



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O : 421005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Sample No. : 2454496-2
Parameter : เกลืออนินทรีย์
Location : โรงฟอกน้ำตาลฟอสฟอรัส (GPS 48Q 279384, 1889169)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangtawan Hattasat
Sound Level Meter : 00900087

Lot ID: 2454496
Date Received : Jun 04, 2024
Date Reported : Jul 05, 2024
Report Number : 3017298-1 Rev.No.1

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เวลา	อุณหภูมิ	ความชื้นสัมพัทธ์	ค่าเฉลี่ย (dB(A))		ค่าเฉลี่ย	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย		
07:00 AM - 08:00 AM	32.6	52.6	46.7	-	48.9	-1.3
08:00 AM - 09:00 AM	32.6	51.1	45.8	-	46.9	-
09:00 AM - 10:00 AM	32.7	50.3	46.1	-	46.6	-6.5
10:00 AM - 11:00 AM	32.6	50.6	46.1	-	46.7	-2.6
11:00 AM - 12:00 PM	32.6	50.8	46.2	-	47.3	-1.3
12:00 PM - 01:00 PM	32.6	49.4	46.2	-	45.5	-2.8
01:00 PM - 02:00 PM	32.6	50.4	46.2	-	46.7	-4.5
02:00 PM - 03:00 PM	32.6	49.3	45.5	-	46.5	-1.0
03:00 PM - 04:00 PM	32.1	50.1	45.8	-	45.9	1.9
04:00 PM - 05:00 PM	32.7	48.6	46.2	-	45.9	6.0
05:00 PM - 06:00 PM	32.4	50.4	46.4	-	46.8	3.6
06:00 PM - 07:00 PM	32.9	53.8	46.4	-	47.4	-
07:00 PM - 08:00 PM	32.1	51.0	45.5	-	48.2	6.3
08:00 PM - 09:00 PM	32.5	49.3	46.1	-	47.2	6.6
09:00 PM - 10:00 PM	32.6	47.9	45.1	-	46.0	8.1
10:00 PM - 11:00 PM	32.6	47.3	-	57.2	45.6	11.9
11:00 PM - 12:00 AM	34.8	46.5	-	57.1	44.6	12.5
12:00 AM - 01:00 AM	34.8	46.1	-	57.2	44.1	13.1
01:00 AM - 02:00 AM	34.6	49.9	-	57.8	44.5	12.5
02:00 AM - 03:00 AM	35.1	48.2	-	57.5	45.0	12.5
03:00 AM - 04:00 AM	34.7	46.5	-	57.0	45.2	11.8
04:00 AM - 05:00 AM	35.1	47.8	-	49.2	45.7	3.5
05:00 AM - 06:00 AM	48.8	46.7	-	47.8	45.7	1.9
06:00 AM - 07:00 AM	49.0	43.8	-	47.2	45.0	4.2
07:00 AM - 08:00 AM	47.8	42.7	-	46.3	45.6	-5.2
08:00 AM - 09:00 AM	48.2	45.8	-	46.5	45.2	4.3
09:00 AM - 10:00 AM	31.2	46.7	-	52.3	45.7	8.6
10:00 PM - 11:00 PM	48.8	48.8	-	47.4	46.9	-1.4
11:00 PM - 12:00 AM	49.3	48.4	-	47.8	46.9	-
12:00 AM - 01:00 AM	47.6	47.8	-	47.8	46.3	-
01:00 AM - 02:00 AM	50.9	47.2	-	51.5	45.6	5.9
02:00 AM - 03:00 AM	51.1	47.3	-	51.8	46.2	8.8
03:00 AM - 04:00 AM	51.8	47.1	-	53.0	45.7	7.3
04:00 AM - 05:00 AM	48.1	46.6	-	45.8	45.7	0.1
05:00 AM - 06:00 AM	47.3	47.3	-	47.0	46.3	-
06:00 AM - 07:00 AM	47.4	47.8	-	47.8	46.0	-4.2
07:00 AM - 08:00 AM	48.2	45.9	-	47.3	44.7	2.6
08:00 AM - 09:00 AM	48.4	45.1	-	48.7	44.1	4.6
09:00 AM - 10:00 AM	48.8	45.6	-	47.8	44.6	3.2
10:00 AM - 11:00 AM	48.1	47.1	-	44.2	44.8	-0.6

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O : 421005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Sample No. : 2454496-2
Parameter : เกลืออนินทรีย์
Location : โรงฟอกน้ำตาลฟอสฟอรัส (GPS 48Q 279384, 1889169)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangtawan Hattasat
Sound Level Meter : 00900087

Lot ID: 2454496
Date Received : Jun 04, 2024
Date Reported : Jul 05, 2024
Report Number : 3017298-1 Rev.No.1

Page 2 of 3

เวลา	อุณหภูมิ	ความชื้นสัมพัทธ์	ค่าเฉลี่ย (dB(A))		ค่าเฉลี่ย	ค่าเฉลี่ย
			ค่าเฉลี่ย	ค่าเฉลี่ย		
12:05 AM - 12:15 AM	47.4	48.3	-	43.9	44.8	-0.9
12:15 AM - 12:25 AM	50.2	44.8	-	51.7	44.0	7.7
12:25 AM - 12:35 AM	50.0	45.8	-	50.9	43.8	7.1
12:35 AM - 12:45 AM	48.2	45.4	-	48.0	44.1	3.9
12:45 AM - 12:55 AM	47.0	46.3	-	47.2	45.3	-1.9
12:55 AM - 01:05 AM	48.4	46.0	-	47.2	45.4	2.3
01:05 AM - 01:15 AM	47.5	46.7	-	47.8	45.7	-0.9
01:15 AM - 01:25 AM	48.0	45.5	-	47.4	44.3	3.1
01:25 AM - 01:35 AM	48.9	44.7	-	49.8	43.8	6.0
01:35 AM - 01:45 AM	47.7	45.3	-	47.0	43.9	3.1
01:45 AM - 01:55 AM	47.6	46.2	-	47.3	43.1	-1.0
01:55 AM - 02:05 AM	47.3	45.9	-	47.6	43.0	4.6
02:05 AM - 02:15 AM	47.1	46.2	-	46.9	43.3	3.6
02:15 AM - 02:25 AM	47.3	47.4	-	46.7	43.7	3.0
02:25 AM - 02:35 AM	47.3	45.7	-	46.4	44.3	2.1
02:35 AM - 02:45 AM	47.3	46.2	-	46.1	43.3	2.8
02:45 AM - 02:55 AM	47.6	45.0	-	47.1	43.9	3.2
02:55 AM - 03:05 AM	48.1	45.5	-	47.6	44.5	3.1
03:05 AM - 03:15 AM	48.0	45.8	-	47.0	44.5	2.5
03:15 AM - 03:25 AM	51.1	45.4	-	52.7	44.3	8.4
03:25 AM - 03:35 AM	51.1	45.9	-	52.0	45.4	5.6
03:35 AM - 03:45 AM	48.4	49.4	-	47.8	46.1	-
03:45 AM - 03:55 AM	48.0	48.0	-	47.8	45.0	-
03:55 AM - 04:05 AM	47.7	45.7	-	46.9	44.2	0.7
04:05 AM - 04:15 AM	47.7	45.7	-	46.7	43.5	3.2
04:15 AM - 04:25 AM	47.6	45.7	-	47.0	43.7	3.3
04:25 AM - 04:35 AM	47.7	45.7	-	47.0	43.7	3.3
04:35 AM - 04:45 AM	48.4	45.4	-	48.4	44.0	4.4
04:45 AM - 04:55 AM	48.8	45.9	-	48.7	44.2	-
04:55 AM - 05:05 AM	47.2	47.5	-	47.0	43.8	-
05:05 AM - 05:15 AM	47.2	46.0	-	46.5	43.4	3.2
05:15 AM - 05:25 AM	47.2	46.0	-	46.5	43.4	3.2
05:25 AM - 05:35 AM	47.2	46.0	-	46.5	43.4	3.2
05:35 AM - 05:45 AM	47.2	46.0	-	46.5	43.4	3.2
05:45 AM - 05:55 AM	47.2	46.0	-	46.5	43.4	3.2
05:55 AM - 06:05 AM	47.2	46.0	-	46.5	43.4	3.2
06:05 AM - 06:15 AM	47.2	46.0	-	46.5	43.4	3.2
06:15 AM - 06:25 AM	47.2	46.0	-	46.5	43.4	3.2
06:25 AM - 06:35 AM	47.2	46.0	-	46.5	43.4	3.2
06:35 AM - 06:45 AM	47.2	46.0	-	46.5	43.4	3.2
06:45 AM - 06:55 AM	47.2	46.0	-	46.5	43.4	3.2
06:55 AM - 07:05 AM	47.2	46.0	-	46.5	43.4	3.2
07:05 AM - 07:15 AM	47.2	46.0	-	46.5	43.4	3.2
07:15 AM - 07:25 AM	47.2	46.0	-	46.5	43.4	3.2
07:25 AM - 07:35 AM	47.2	46.0	-	46.5	43.4	3.2
07:35 AM - 07:45 AM	47.2	46.0	-	46.5	43.4	3.2
07:45 AM - 07:55 AM	47.2	46.0	-	46.5	43.4	3.2
07:55 AM - 08:05 AM	47.2	46.0	-	46.5	43.4	3.2
08:05 AM - 08:15 AM	47.2	46.0	-	46.5	43.4	3.2
08:15 AM - 08:25 AM	47.2	46.0	-	46.5	43.4	3.2
08:25 AM - 08:35 AM	47.2	46.0	-	46.5	43.4	3.2
08:35 AM - 08:45 AM	47.2	46.0	-	46.5	43.4	3.2
08:45 AM - 08:55 AM	47.2	46.0	-	46.5	43.4	3.2
08:55 AM - 09:05 AM	47.2	46.0	-	46.5	43.4	3.2
09:05 AM - 09:15 AM	47.2	46.0	-	46.5	43.4	3.2
09:15 AM - 09:25 AM	47.2	46.0	-	46.5	43.4	3.2
09:25 AM - 09:35 AM	47.2	46.0	-	46.5	43.4	3.2
09:35 AM - 09:45 AM	47.2	46.0	-	46.5	43.4	3.2
09:45 AM - 09:55 AM	47.2	46.0	-	46.5	43.4	3.2
09:55 AM - 10:05 AM	47.2	46.0	-	46.5	43.4	3.2
10:05 AM - 10:15 AM	47.2	46.0	-	46.5	43.4	3.2
10:15 AM - 10:25 AM	47.2	46.0	-	46.5	43.4	3.2
10:25 AM - 10:35 AM	47.2	46.0	-	46.5	43.4	3.2
10:35 AM - 10:45 AM	47.2	46.0	-	46.5	43.4	3.2
10:45 AM - 10:55 AM	47.2	46.0	-	46.5	43.4	3.2
10:55 AM - 11:05 AM	47.2	46.0	-	46.5	43.4	3.2
11:05 AM - 11:15 AM	47.2	46.0	-	46.5	43.4	3.2
11:15 AM - 11:25 AM	47.2	46.0	-	46.5	43.4	3.2
11:25 AM - 11:35 AM	47.2	46.0	-	46.5	43.4	3.2
11:35 AM - 11:45 AM	47.2	46.0	-	46.5	43.4	3.2
11:45 AM - 11:55 AM	47.2	46.0	-	46.5	43.4	3.2
11:55 AM - 12:05 AM	47.2	46.0	-	46.5	43.4	3.2
12:05 AM - 12:15 AM	47.2	46.0	-	46.5	43.4	3.2

The above results are valid only for the parameters specified as indicated in this report. The use of the report for other purposes is not recommended. Any further use of the report is at the user's risk. ALS Laboratory Group (Thailand) Ltd. is not responsible for any errors or omissions. This report is not to be reproduced without the written consent of ALS.

Approved by

Kasat Phol
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

P/O : 421005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Sample No. : 2454496-2
Parameter : เกลืออนินทรีย์
Location : โรงฟอกน้ำตาลฟอสฟอรัส (GPS 48Q 279384, 1889169)
Measurement Date : May 26 - 27, 2024
Measurement by : Sangtawan Hattasat
Sound Level Meter : 00900087

Lot ID: 2454496
Date Received : Jun 04, 2024
Date Reported : Jul 05, 2024
Report Number : 3017298-1 Rev.No.1

Page 3 of 3

Time Level Meter	ข้อมูลเสียง (dB(A))					
	เสียงจาก ถนนสายหลัก	เสียงจาก อาคารภายใน	เสียงจากอาคารภายนอก		เสียงรบกวน	ค่ารวม การคำนวณ
			กลางคืน	กลางวัน		
1989						
03:25 AM - 03:35 AM	48.7	46.6	-	47.5	44.7	2.8
03:35 AM - 03:45 AM	48.2	47.0	-	45.0	44.6	0.4
03:45 AM - 03:55 AM	48.0	47.2	-	43.3	45.0	-1.7
03:55 AM - 04:05 AM	49.1	46.4	-	48.8	44.8	4.0
04:05 AM - 04:15 AM	51.1	46.8	-	52.1	44.2	7.9
04:15 AM - 04:25 AM	48.2	47.0	-	45.0	43.9	1.1
04:25 AM - 04:35 AM	48.3	47.9	-	46.7	43.6	-2.9
04:35 AM - 04:45 AM	47.5	46.1	-	44.9	43.6	1.4
04:45 AM - 04:55 AM	47.5	44.9	-	47.0	44.0	3.0
04:55 AM - 05:05 AM	47.3	45.3	-	46.0	44.0	2.0
05:05 AM - 05:15 AM	48.5	46.0	-	47.0	44.5	3.4
05:15 AM - 05:25 AM	46.9	46.3	-	44.0	44.8	-0.4
05:25 AM - 05:35 AM	47.6	46.4	-	41.6	44.6	-2.0
05:35 AM - 05:45 AM	46.9	45.7	-	42.3	44.6	-0.3
05:45 AM - 05:55 AM	46.6	45.7	-	44.1	44.6	-0.5
05:55 AM - 06:05 AM	47.3	46.4	-	43.0	45.0	-2.0
06:05 AM - 06:15 AM	47.2	46.2	-	43.8	45.2	-1.4
06:15 AM - 06:25 AM	46.9	45.9	-	44.7	44.5	4.2
06:25 AM - 06:35 AM	51.7	46.7	-	53.0	45.0	6.6
06:35 AM - 06:45 AM	49.9	46.0	-	51.1	45.1	4.0
06:45 AM - 06:55 AM	50.0	47.0	-	49.0	45.2	3.8
06:55 AM - 07:05 AM	51.1	47.5	-	51.6	46.7	5.5
07:05 AM - 07:15 AM	51.1	48.1	-	51.1	48.0	3.1
07:15 AM - 07:25 AM	50.8	49.1	-	48.9	45.7	3.2
07:25 AM - 07:35 AM	50.6	49.8	-	45.9	46.3	-0.4
07:35 AM - 07:45 AM	51.0	49.2	-	49.3	45.6	2.1
07:45 AM - 07:55 AM	50.6	47.7	-	50.5	46.3	3.2
07:55 AM - 08:05 AM	51.0	49.0	-	47.7	46.8	3.2
08:05 AM - 08:15 AM	52.1	48.3	-	51.8	45.4	7.4
08:15 AM - 08:25 AM	55.4	47.7	-	57.6	45.6	12.0
08:25 AM - 08:35 AM	57.6	56.9	49.3	-	50.9	-1.6



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017301-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454496-4
Parameter : เปรียบเทียบ
Location : โรงกลั่นน้ำตาลทรายขาว (GPS 48Q 279384, 189169)
Measurement Date : May 28 - 29, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00900087

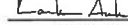
เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเฉลี่ย (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
07:25 AM - 07:30 AM	47.9	46.8	-	46.4	45.7	-1.3
07:30 AM - 07:35 AM	48.5	47.4	-	45.9	45.5	-0.5
07:35 AM - 07:40 AM	48.8	46.7	-	47.6	44.9	2.7
07:40 AM - 07:45 AM	48.4	47.0	-	45.8	45.3	0.5
07:45 AM - 07:50 AM	46.6	46.7	-	47.1	44.6	2.5
07:50 AM - 07:55 AM	48.1	45.8	-	47.2	44.2	3.0
07:55 AM - 08:00 AM	47.4	45.9	-	45.1	44.9	0.2
08:00 AM - 08:05 AM	48.1	46.7	-	45.5	45.0	0.5
08:05 AM - 08:10 AM	48.7	46.0	-	48.4	45.0	3.4
08:10 AM - 08:15 AM	48.3	47.4	-	44.0	46.1	-2.1
08:15 AM - 08:20 AM	49.2	47.4	-	47.5	45.9	1.6
08:20 AM - 08:25 AM	48.3	47.4	-	47.4	46.2	1.2
08:25 AM - 08:30 AM	48.8	48.0	-	44.1	46.4	-2.3
08:30 AM - 08:35 AM	49.8	46.9	-	48.7	45.7	3.0
08:35 AM - 08:40 AM	48.8	45.9	-	44.5	46.1	-1.6
08:40 AM - 08:45 AM	48.9	49.3	-	44.5	46.2	-1.7
08:45 AM - 08:50 AM	49.1	48.6	-	42.5	47.3	-4.8
08:50 AM - 08:55 AM	49.0	48.5	-	42.4	47.0	-4.6
08:55 AM - 09:00 AM	48.6	48.5	-	35.3	46.6	-11.4
09:00 AM - 09:05 AM	49.4	48.3	-	45.9	46.5	-0.6
09:05 AM - 09:10 AM	48.4	51.1	-	n/a	48.1	-
09:10 AM - 09:15 AM	51.9	52.9	-	48.7	48.7	0.0
09:15 AM - 09:20 AM	50.4	51.5	-	n/a	49.4	-
09:20 AM - 09:25 AM	51.6	50.3	-	53.9	48.3	5.6
09:25 AM - 09:30 AM	51.3	50.6	-	48.0	48.5	-0.5
09:30 AM - 09:35 AM	49.9	51.0	-	n/a	48.9	-
09:35 AM - 09:40 AM	50.9	52.6	-	n/a	48.8	-
09:40 AM - 09:45 AM	54.3	54.3	-	53.0	48.4	4.6
09:45 AM - 09:50 AM	51.3	49.4	-	49.4	47.6	1.8
09:50 AM - 09:55 AM	49.8	52.7	-	n/a	48.5	-
09:55 AM - 10:00 AM	51.4	51.2	-	48.9	48.7	0.2
10:00 AM - 10:05 AM	57.2	56.4	49.3	-	55.1	2.0

Reference Method : 1. In-house method : STM 06-01 based on ISO 1996-1 : 2016
2. In-house method : STM 06-01 based on ISO 1996-1 : 2016

หมายเหตุ : 1. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
2. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
3. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567

Remark : 1. ผู้ตรวจพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
2. ผู้ตรวจพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
3. ผู้ตรวจพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567

The above results are valid only for the audited/checked samples as indicated in this report. The results are not valid for other samples not audited/checked in this report. The results are not valid for other samples not audited/checked in this report. The results are not valid for other samples not audited/checked in this report.

Approved by 
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report Number : 3017301-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

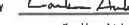
Sample No. 2454496-5
Parameter : เปรียบเทียบ
Location : โรงกลั่นน้ำตาลทรายขาว (GPS 48Q 279384, 189169)
Measurement Date : May 29 - 30, 2024
Measurement by : Sangwan Natsat
Sound Level Meter : 00900087

เวลา	เสียงจากแหล่งกำเนิด	เสียงรบกวน	ค่าเฉลี่ย (dB(A))		เสียงรบกวน	ค่าเฉลี่ย
			ค่าจริง	ค่าเฉลี่ย		
07:25 AM - 08:00 AM	57.5	52.9	53.7	-	50.2	5.5
08:00 AM - 09:00 AM	54.0	50.7	51.3	-	47.8	3.5
09:00 AM - 10:00 AM	54.0	49.7	52.0	-	47.4	3.6
10:00 AM - 11:00 AM	52.8	49.9	49.7	-	47.5	3.2
11:00 AM - 12:00 PM	52.7	49.1	50.2	-	46.8	3.4
12:00 PM - 01:00 PM	51.5	48.3	48.7	-	46.4	2.3
01:00 PM - 02:00 PM	51.7	50.5	52.9	-	47.8	3.1
02:00 PM - 03:00 PM	54.7	51.1	49.6	-	50.7	-1.1
03:00 PM - 04:00 PM	54.1	51.3	50.9	-	48.3	2.6
04:00 PM - 05:00 PM	54.7	51.5	51.9	-	48.8	3.1
05:00 PM - 06:00 PM	53.7	52.7	46.8	-	50.0	-3.2
06:00 PM - 07:00 PM	56.2	52.5	53.8	-	49.8	4.0
07:00 PM - 08:00 PM	53.8	51.4	47.2	-	49.4	-2.2
08:00 PM - 09:00 PM	52.5	52.9	n/a	-	51.4	-
09:00 PM - 10:00 PM	51.3	52.3	n/a	-	50.7	-
10:00 PM - 10:05 PM	58.1	49.7	-	60.4	51.1	12.3
10:05 PM - 10:10 PM	58.6	49.3	-	47.7	47.7	0.0
10:10 PM - 10:15 PM	50.3	48.7	-	48.2	46.7	1.5
10:15 PM - 10:20 PM	50.4	47.9	-	49.8	46.3	3.5
10:20 PM - 10:25 PM	48.7	50.5	-	n/a	46.6	-
10:25 PM - 10:30 PM	49.3	n/a	-	n/a	49.9	-
10:30 PM - 10:35 PM	48.7	51.8	-	n/a	49.9	-
10:35 PM - 10:40 PM	48.4	48.0	-	40.8	46.4	-5.5
10:40 PM - 10:45 PM	52.7	47.6	-	58.8	46.9	4.8
10:45 PM - 10:50 PM	47.5	51.3	-	n/a	50.1	-
10:50 PM - 10:55 PM	47.8	51.0	-	n/a	49.8	-
10:55 PM - 11:00 PM	47.9	51.7	-	n/a	49.9	-
11:00 PM - 11:05 PM	47.7	50.3	-	n/a	47.4	-
11:05 PM - 11:10 PM	47.0	49.8	-	n/a	45.9	-
11:10 PM - 11:15 PM	46.6	50.5	-	n/a	49.8	-
11:15 PM - 11:20 PM	46.0	50.8	-	n/a	48.8	-
11:20 PM - 11:25 PM	46.9	48.3	-	n/a	43.5	-
11:25 PM - 11:30 PM	46.8	45.5	-	43.9	43.9	0.0
11:30 PM - 11:35 PM	42.9	42.9	-	44.9	44.9	0.0
11:35 PM - 11:40 PM	46.1	48.3	-	n/a	43.4	-
11:40 PM - 11:45 PM	46.6	50.8	-	n/a	49.8	-
11:45 PM - 11:50 PM	49.9	52.3	-	n/a	48.9	-
11:50 PM - 11:55 PM	50.2	52.3	-	n/a	50.7	-
11:55 PM - 12:00 AM	50.6	51.0	-	n/a	49.8	-
12:00 AM - 12:05 AM	49.9	51.3	-	n/a	50.3	-

Reference Method : 1. In-house method : STM 06-01 based on ISO 1996-1 : 2016
2. In-house method : STM 06-01 based on ISO 1996-1 : 2016

หมายเหตุ : 1. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
2. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567
3. ผู้ตรวจพบการเกินค่ามาตรฐาน (ค่าเสียงรบกวนเกินค่ามาตรฐาน) 24 ชั่วโมง และพบการเกินค่ามาตรฐานค่าเสียงรบกวนค่าเฉลี่ย 2567

The above results are valid only for the audited/checked samples as indicated in this report. The results are not valid for other samples not audited/checked in this report. The results are not valid for other samples not audited/checked in this report. The results are not valid for other samples not audited/checked in this report.

Approved by 
Kanoksom Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017302-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454496-6
Parameter : เสียงรบกวน
Location : ตู้รถไฟใกล้ถนนพหลโยธิน (GPS 48Q 279384, 1899169)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtavan Natsat
Sound Level Meter : 00900087

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรบกวนจากโรงงาน		เสียงที่ตรวจวัด	ค่าตามกฎหมาย
			กลางวัน	กลางคืน		
07:00 AM - 08:00 AM	58.3	52.7	56.9	-	49.2	7.7
08:00 AM - 09:00 AM	51.4	49.1	47.5	-	46.5	1.0
09:00 AM - 10:00 AM	53.0	49.3	51.3	-	46.6	4.7
10:00 AM - 11:00 AM	52.3	48.9	49.6	-	46.4	3.2
11:00 AM - 12:00 PM	54.5	50.6	51.5	-	47.0	4.5
12:00 PM - 01:00 PM	51.2	48.7	47.6	-	46.6	1.0
01:00 PM - 02:00 PM	54.0	50.8	51.2	-	48.6	7.6
02:00 PM - 03:00 PM	53.6	50.3	50.9	-	47.6	3.3
03:00 PM - 04:00 PM	54.0	50.3	51.6	-	47.2	4.4
04:00 PM - 05:00 PM	52.3	49.5	48.5	-	47.8	2.8
05:00 PM - 06:00 PM	52.8	50.8	48.5	-	48.0	0.5
06:00 PM - 07:00 PM	55.2	51.7	52.6	-	48.7	3.9
07:00 PM - 08:00 PM	52.0	51.3	52.4	-	52.4	-
08:00 PM - 09:00 PM	50.9	50.8	n/a	-	52.0	-
09:00 PM - 10:00 PM	50.1	48.7	44.5	-	47.4	-3.9
10:00 PM - 11:00 PM	49.8	49.0	-	45.1	47.4	-2.3
11:00 PM - 12:00 AM	52.1	47.9	-	45.1	46.9	2.2
12:00 AM - 01:00 AM	49.0	47.7	-	46.1	46.2	-0.1
01:00 AM - 02:00 AM	49.0	48.3	-	47.7	47.1	-3.4
02:00 AM - 03:00 AM	48.1	48.8	-	46.3	46.5	-2.4
03:00 AM - 04:00 AM	50.5	49.9	-	49.9	46.7	3.2
04:00 AM - 05:00 AM	50.4	49.9	-	49.9	46.8	3.1
05:00 AM - 06:00 AM	48.8	48.0	-	44.1	46.5	-2.4
06:00 AM - 07:00 AM	48.0	48.0	-	46.7	46.7	7.6
07:00 AM - 08:00 AM	49.6	48.7	-	45.3	46.8	3.0
08:00 AM - 09:00 AM	50.4	47.9	-	46.8	46.8	3.0
09:00 AM - 10:00 AM	49.4	48.4	-	46.4	47.2	-0.4
10:00 AM - 11:00 AM	52.0	48.8	-	46.8	47.7	-0.5
11:00 AM - 12:00 PM	49.7	48.8	-	46.8	47.3	-0.5
12:00 PM - 01:00 PM	49.1	48.8	-	47.6	46.5	-2.7
01:00 PM - 02:00 PM	49.4	47.2	-	47.5	46.5	1.0
02:00 PM - 03:00 PM	49.6	49.3	-	49.8	47.9	-2.1
03:00 PM - 04:00 PM	49.7	48.4	-	47.6	47.0	0.6
04:00 PM - 05:00 PM	53.1	48.4	-	46.8	46.8	1.4
05:00 PM - 06:00 PM	55.9	47.2	-	51.5	46.1	5.4
06:00 PM - 07:00 PM	49.0	47.7	-	46.1	45.8	0.3
07:00 PM - 08:00 PM	49.3	48.3	-	45.9	47.7	-2.3
08:00 PM - 09:00 PM	50.3	48.0	-	49.4	46.8	2.6
09:00 PM - 10:00 PM	49.4	48.4	-	45.5	47.1	-1.6
10:00 AM - 11:00 AM	48.8	47.8	-	47.0	47.0	-2.1

The above results are valid only for the stated testing conditions and are not valid for any other purpose. The results are subject to the accuracy of the equipment used and the skill of the operator. The results are not valid for any other purpose.

Approved by

Kasat Phol
Senior Manager

ADDRESS: 104 Phatthana Road, Phatthana Road, Khwaeng Phatthana, Khet Suan Luang, Bangkok 10250 Thailand / T: +66 2 760 3000 / F: +66 2 760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017302-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454496-6
Parameter : เสียงรบกวน
Location : ตู้รถไฟใกล้ถนนพหลโยธิน (GPS 48Q 279384, 1899169)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtavan Natsat
Sound Level Meter : 00900087

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรบกวนจากโรงงาน		เสียงที่ตรวจวัด	ค่าตามกฎหมาย
			กลางวัน	กลางคืน		
12:05 AM - 12:10 AM	48.9	48.1	-	44.2	46.9	-2.7
12:10 AM - 12:15 AM	48.5	49.1	-	n/a	47.6	-
12:15 AM - 12:20 AM	49.7	48.5	-	47.8	46.8	1.8
12:20 AM - 12:25 AM	49.1	48.0	-	45.6	46.7	-1.1
12:25 AM - 12:30 AM	48.5	48.2	-	45.7	46.8	-1.1
12:30 AM - 12:35 AM	49.2	48.2	-	44.9	46.8	-1.9
12:35 AM - 12:40 AM	49.1	47.5	-	47.0	46.1	0.9
12:40 AM - 12:45 AM	49.2	48.0	-	46.0	46.8	-0.8
12:45 AM - 12:50 AM	49.6	49.0	-	45.7	47.8	-2.1
12:50 AM - 12:55 AM	49.8	48.3	-	48.3	47.5	-1.2
12:55 AM - 01:00 AM	49.0	47.6	-	47.3	46.3	1.0
01:00 AM - 01:05 AM	49.2	48.0	-	46.0	46.4	-0.4
01:05 AM - 01:10 AM	48.6	47.8	-	47.3	45.6	-2.2
01:10 AM - 01:15 AM	49.1	53.6	-	n/a	46.6	-
01:15 AM - 01:20 AM	48.9	47.8	-	45.4	46.6	-1.2
01:20 AM - 01:25 AM	51.4	47.9	-	55.0	46.6	8.4
01:25 AM - 01:30 AM	48.6	48.3	-	49.8	46.7	6.9
01:30 AM - 01:35 AM	49.0	47.3	-	47.1	46.2	0.9
01:35 AM - 01:40 AM	49.0	47.2	-	47.3	46.5	1.3
01:40 AM - 01:45 AM	48.6	49.8	-	46.7	46.7	-0.5
01:45 AM - 01:50 AM	50.3	47.8	-	49.7	46.4	3.3
01:50 AM - 01:55 AM	50.8	48.5	-	49.9	46.9	3.0
01:55 AM - 02:00 AM	49.4	48.2	-	46.2	46.7	-0.5
02:00 AM - 02:05 AM	50.1	47.7	-	49.4	46.4	3.0
02:05 AM - 02:10 AM	48.9	48.1	-	44.2	46.3	-2.1
02:10 AM - 02:15 AM	48.7	47.8	-	44.6	46.8	-2.4
02:15 AM - 02:20 AM	50.1	45.8	-	45.8	46.5	-0.7
02:20 AM - 02:25 AM	50.1	47.7	-	49.4	46.5	2.9
02:25 AM - 02:30 AM	49.2	47.3	-	47.7	46.2	1.5
02:30 AM - 02:35 AM	49.7	46.5	-	46.6	46.6	0.0
02:35 AM - 02:40 AM	49.1	48.3	-	44.4	46.9	-2.5
02:40 AM - 02:45 AM	49.6	51.0	-	n/a	46.8	-
02:45 AM - 02:50 AM	50.3	48.6	-	48.6	46.9	1.5
02:50 AM - 02:55 AM	52.1	46.4	-	52.9	46.8	6.4
02:55 AM - 03:00 AM	49.9	47.3	-	49.6	45.8	3.8
03:00 AM - 03:05 AM	49.6	47.5	-	48.4	46.1	2.3
03:05 AM - 03:10 AM	49.3	50.3	-	n/a	47.1	-
03:10 AM - 03:15 AM	51.5	48.3	-	51.7	46.8	4.9
03:15 AM - 03:20 AM	50.1	47.7	-	49.4	46.4	3.0
03:20 AM - 03:25 AM	52.3	47.5	-	50.1	46.1	4.8

The above results are valid only for the stated testing conditions and are not valid for any other purpose. The results are subject to the accuracy of the equipment used and the skill of the operator. The results are not valid for any other purpose.

Approved by

Kasat Phol
Senior Manager

ADDRESS: 104 Phatthana Road, Phatthana Road, Khwaeng Phatthana, Khet Suan Luang, Bangkok 10250 Thailand / T: +66 2 760 3000 / F: +66 2 760 3197
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

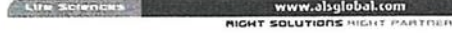
Lot ID: 2454496
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report Number: 3017302-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454496-6
Parameter : เสียงรบกวน
Location : ตู้รถไฟใกล้ถนนพหลโยธิน (GPS 48Q 279384, 1899169)
Measurement Date : May 30 - 31, 2024
Measurement by : Sangtavan Natsat
Sound Level Meter : 00900087

เวลา	เสียงจากแหล่งกำเนิด	เสียงจากสิ่งแวดล้อม	เสียงรบกวนจากโรงงาน		เสียงที่ตรวจวัด	ค่าตามกฎหมาย
			กลางวัน	กลางคืน		
07:05 AM - 07:10 AM	49.6	47.5	-	48.9	46.0	2.4
07:10 AM - 07:15 AM	49.5	48.3	-	46.3	46.7	-0.4
07:15 AM - 07:20 AM	49.8	47.7	-	48.6	46.0	2.6
07:20 AM - 07:25 AM	49.6	47.6	-	48.3	46.1	2.5
07:25 AM - 07:30 AM	49.3	48.2	-	45.8	46.2	-0.4
07:30 AM - 07:35 AM	49.7	48.0	-	47.8	46.3	1.2
07:35 AM - 07:40 AM	49.6	47.9	-	47.7	46.5	1.2
07:40 AM - 07:45 AM	49.5	47.9	-	47.6	46.5	1.2
07:45 AM - 07:50 AM	49.8	47.8	-	48.5	46.4	2.1
07:50 AM - 07:55 AM	49.6	47.9	-	47.7	46.4	1.3
07:55 AM - 08:00 AM	49.9	48.8	-	46.4	46.5	0.1
08:00 AM - 08:05 AM	50.9	48.4	-	47.1	46.7	0.2
08:05 AM - 08:10 AM	50.4	48.8	-	48.3	47.3	1.0
08:10 AM - 08:15 AM	49.8	49.0	-	45.1	47.1	-2.0
08:15 AM - 08:20 AM	49.5	47.9	-	48.8	47.8	-2.0
08:20 AM - 08:25 AM	50.9	49.2	-	49.8	47.5	-1.7
08:25 AM - 08:30 AM	50.9	51.2	-	n/a	48.7	-
08:30 AM - 08:35 AM	50.2	51.0	-	49.1	47.1	-
08:35 AM - 08:40 AM	50.1	49.2	-	48.9	47.5	-
08:40 AM - 08:45 AM	50.9	51.2	-	49.1	47.1	-
08:45 AM - 08:50 AM	50.2	51.0	-	48.9	47.5	-
08:50 AM - 08:55 AM	51.4	50.1	-	48.5	48.5	0.0
08:55 AM - 09:00 AM	53.6	50.2	-	53.9	48.4	5.5
09:00 AM - 09:05 AM	50.9	51.4	-	n/a	49.4	-
09:05 AM - 09:10 AM	53.9	51.0	-	53.8	49.3	4.5
09:10 AM - 09:15 AM	51.8	51.0	-	47.1	49.1	-2.0
09:15 AM - 09:20 AM	50.9	51.6	-	n/a	49.1	-
09:20 AM - 09:25 AM	49.9	50.5	-	n/a	49.1	-
09:25 AM - 09:30 AM	51.3	50.9	-	49.2	49.0	-0.2
09:30 AM - 09:35 AM	52.6	51.8	-	49.9	49.6	-0.2
09:35 AM - 09:40 AM	50.5	51.9	-	n/a	49.7	-
09:40 AM - 09:45 AM	51.5	51.9	-	n/a	49.2	-
09:45 AM - 09:50 AM	50.5	51.9	-	n/a	49.2	-
09:50 AM - 09:55 AM	51.5	51.9	-	n/a	49.2	-
09:55 AM - 10:00 AM	51.5	51.9	-	n/a	49.2	-
10:00 AM - 10:05 AM	50.5	51.9	-	n/a	49.2	-
10:05 AM - 10:10 AM	51.5	51.9	-	n/a	49.2	-
10:10 AM - 10:15 AM	51.5	51.9	-	n/a	49.2	-
10:15 AM - 10:20 AM	51.5	51.9	-	n/a	49.2	-
10:20 AM - 10:25 AM	51.5	51.9	-	n/a	49.2	-
10:25 AM - 10:30 AM	51.5	51.9	-	n/a	49.2	-
10:30 AM - 10:35 AM	51.5	51.9	-	n/a	49.2	-
10:35 AM - 10:40 AM	51.5	51.9	-	n/a	49.2	-
10:40 AM - 10:45 AM	51.5	51.9	-	n/a	49.2	-
10:45 AM - 10:50 AM	51.5	51.9	-	n/a	49.2	-
10:50 AM - 10:55 AM	51.5	51.9	-	n/a	49.2	-
10:55 AM - 11:00 AM	51.5	51.9	-	n/a	49.2	-
11:00 AM - 11:05 AM	51.5	51.9	-	n/a	49.2	-
11:05 AM - 11:10 AM	51.5	51.9	-	n/a	49.2	-
11:10 AM - 11:15 AM	51.5	51.9	-	n/a	49.2	-
11:15 AM - 11:20 AM	51.5	51.9	-	n/a	49.2	-
11:20 AM - 11:25 AM	51.5	51.9	-	n/a	49.2	-
11:25 AM - 11:30 AM	49.9	46.5	-	50.2	47.0	3.2
11:30 AM - 11:35 AM	52.3	45.8	-	54.2	46.9	7.1
11:35 AM - 11:40 AM	53.2	45.6	-	55.4	46.5	9.3
11:40 AM - 11:45 AM	50.5	46.0	-	51.6	45.8	5.8
11:45 AM - 11:50 AM	50.6	46.7	-	51.3	47.2	4.1





Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report No : 3017075-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454503-4
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangtawan Natasat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	53.7	62.5	57.5
12:10 AM - 12:15 AM	51.9	61.1	55.9
12:15 AM - 12:20 AM	53.2	63.9	58.9
12:20 AM - 12:25 AM	52.6	62.4	56.6
12:25 AM - 12:30 AM	53.6	63.2	58.5
12:30 AM - 12:35 AM	52.7	63.3	54.7
12:35 AM - 12:40 AM	53.5	63.7	56.4
12:40 AM - 12:45 AM	51.8	63.2	54.5
12:45 AM - 12:50 AM	50.4	62.2	54.1
12:50 AM - 12:55 AM	52.6	62.8	56.1
12:55 AM - 01:00 AM	52.7	63.5	55.9
01:00 AM - 01:05 AM	54.4	64.8	57.4
01:05 AM - 01:10 AM	55.9	72.4	56.1
01:10 AM - 01:15 AM	52.8	67.3	55.3
01:15 AM - 01:20 AM	52.6	67.9	54.3
01:20 AM - 01:25 AM	54.1	66.0	57.1
01:25 AM - 01:30 AM	54.1	65.7	54.7
01:30 AM - 01:35 AM	50.8	63.2	52.1
01:35 AM - 01:40 AM	51.8	65.8	54.4
01:40 AM - 01:45 AM	54.6	63.0	57.9
01:45 AM - 01:50 AM	53.8	62.7	57.5
01:50 AM - 01:55 AM	53.8	65.1	58.2
01:55 AM - 02:00 AM	53.9	64.2	57.3
02:00 AM - 02:05 AM	54.4	76.2	55.5
02:05 AM - 02:10 AM	56.5	74.1	56.4
02:10 AM - 02:15 AM	57.4	71.4	56.1
02:15 AM - 02:20 AM	56.5	71.9	53.8
02:20 AM - 02:25 AM	52.4	64.9	54.3
02:25 AM - 02:30 AM	53.7	63.2	57.8
02:30 AM - 02:35 AM	54.2	64.8	57.4
02:35 AM - 02:40 AM	53.5	63.9	56.9
02:40 AM - 02:45 AM	53.3	63.7	55.8
02:45 AM - 02:50 AM	53.9	69.1	57.3
02:50 AM - 02:55 AM	52.6	66.4	55.9
02:55 AM - 03:00 AM	53.4	65.1	57.9
03:00 AM - 03:05 AM	53.8	63.8	56.9
03:05 AM - 03:10 AM	54.1	61.9	58.3
03:10 AM - 03:15 AM	55.1	64.3	58.7
03:15 AM - 03:20 AM	54.4	62.7	56.3
03:20 AM - 03:25 AM	53.3	66.7	53.8

Approved by

Kanokorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report No : 3017075-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454503-4
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangtawan Natasat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	51.7	61.8	51.6
03:30 AM - 03:35 AM	53.2	63.4	57.3
03:35 AM - 03:40 AM	55.1	66.2	54.9
03:40 AM - 03:45 AM	54.7	65.3	52.4
03:45 AM - 03:50 AM	53.3	62.4	56.9
03:50 AM - 03:55 AM	53.9	63.9	57.8
03:55 AM - 04:00 AM	58.1	68.0	52.9
04:00 AM - 04:05 AM	53.6	63.5	56.5
04:05 AM - 04:10 AM	54.3	63.9	59.0
04:10 AM - 04:15 AM	52.1	63.1	54.7
04:15 AM - 04:20 AM	55.6	64.3	59.4
04:20 AM - 04:25 AM	55.3	65.1	57.7
04:25 AM - 04:30 AM	54.6	63.5	58.5
04:30 AM - 04:35 AM	56.5	66.8	58.3
04:35 AM - 04:40 AM	53.3	62.2	56.6
04:40 AM - 04:45 AM	53.2	64.9	56.2
04:45 AM - 04:50 AM	53.1	63.3	55.6
04:50 AM - 04:55 AM	52.5	61.9	53.7
04:55 AM - 05:00 AM	52.1	62.7	52.6
05:00 AM - 05:05 AM	53.6	61.5	57.8
05:05 AM - 05:10 AM	54.2	66.5	57.6
05:10 AM - 05:15 AM	56.4	74.1	59.7
05:15 AM - 05:20 AM	54.9	63.4	58.3
05:20 AM - 05:25 AM	57.8	70.8	58.6
05:25 AM - 05:30 AM	56.7	70.9	53.8
05:30 AM - 05:35 AM	56.5	64.7	51.1
05:35 AM - 05:40 AM	56.7	65.7	51.8
05:40 AM - 05:45 AM	57.4	70.1	53.8
05:45 AM - 05:50 AM	57.4	64.1	52.0
05:50 AM - 05:55 AM	53.8	65.6	50.9
05:55 AM - 06:00 AM	62.6	90.4	51.1
06:00 AM - 07:00 AM	58.1	75.5	53.0

Reference Method :
1. In-house method : STH 06-001 based on ISO 1996-1 : 2016
2. ขบวนการตรวจสอบและประเมินผลกระทบสิ่งแวดล้อม 24 ชั่วโมง ตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2567

The data results are valid only for the sound level meter (or) microphone used in this report. The data is not valid for any other sound level meter (or) microphone used in the future. The data is not valid for any other sound level meter (or) microphone used in the future.

Approved by

Kanokorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report No : 3017075-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454503-5
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sangtawan Natasat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 07:05 AM	68.7	85.5	56.6
07:05 AM - 07:10 AM	68.5	83.5	56.8
07:10 AM - 07:15 AM	63.6	87.4	58.5
07:15 AM - 07:20 AM	58.4	76.3	54.4
07:20 AM - 07:25 AM	58.5	80.3	53.9
07:25 AM - 07:30 AM	57.6	74.5	52.7
07:30 AM - 07:35 AM	58.2	74.8	54.3
07:35 AM - 07:40 AM	58.6	79.4	54.4
07:40 AM - 07:45 AM	58.9	73.8	54.4
07:45 AM - 07:50 AM	59.4	84.0	55.5
07:50 AM - 07:55 AM	60.7	81.7	55.8
07:55 AM - 08:00 AM	60.0	86.1	54.3
08:00 AM - 08:05 AM	58.4	77.9	53.4
08:05 AM - 08:10 AM	58.1	72.0	52.5
08:10 AM - 08:15 AM	55.9	72.7	49.7
08:15 AM - 08:20 AM	55.0	66.2	52.1
08:20 AM - 08:25 AM	55.0	65.5	49.4
08:25 AM - 08:30 AM	54.0	62.3	50.3
08:30 AM - 08:35 AM	55.0	60.2	49.1
08:35 AM - 08:40 AM	55.9	65.5	49.6
08:40 AM - 08:45 AM	55.1	64.5	48.9
08:45 AM - 08:50 AM	57.3	73.8	50.4
08:50 AM - 08:55 AM	55.8	65.5	51.1
08:55 AM - 09:00 AM	56.3	63.0	49.2
09:00 AM - 09:05 AM	56.7	68.1	50.3
09:05 AM - 09:10 AM	55.9	61.8	49.3
09:10 AM - 09:15 AM	54.3	64.7	48.0
09:15 AM - 09:20 AM	55.0	62.4	49.8
09:20 AM - 09:25 AM	54.8	62.5	52.5
09:25 AM - 09:30 AM	54.8	65.2	49.7
09:30 AM - 09:35 AM	54.8	62.2	49.3
09:35 AM - 09:40 AM	54.2	64.9	46.5
09:40 AM - 09:45 AM	54.2	60.9	45.4
09:45 AM - 09:50 AM	51.7	63.6	46.4
09:50 AM - 09:55 AM	51.4	60.1	46.3
09:55 AM - 10:00 AM	52.8	65.0	46.1
10:00 AM - 10:05 AM	51.3	62.4	45.1
10:05 AM - 10:10 AM	52.8	72.4	48.7
10:10 AM - 10:15 AM	54.3	67.7	49.7
10:15 AM - 10:20 AM	53.4	55.6	44.6
10:20 AM - 10:25 AM	54.1	68.8	46.3
10:25 AM - 10:30 AM	52.7	67.1	43.6

Approved by

Kanokorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received: Jun 04, 2024
Date Reported: Jun 07, 2024
Report No : 3017075-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454503-5
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 279468, 1888972) (หน้าวัด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sangtawan Natasat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 12:05 AM	52.8	65.8	43.3
12:05 AM - 12:10 AM	53.7	68.9	51.3
12:10 AM - 12:15 AM	55.5	69.7	44.6
12:15 AM - 12:20 AM	54.8	71.4	44.9
12:20 AM - 12:25 AM	55.4	65.8	44.1
12:25 AM - 12:30 AM	54.5	69.4	53.9
12:30 AM - 12:35 AM	57.5	73.5	51.3
12:35 AM - 12:40 AM	56.5	59.2	42.1
12:40 AM - 12:45 AM	57.7	61.1	41.4
12:45 AM - 12:50 AM	52.9	66.0	45.3
12:50 AM - 12:55 AM	53.1	64.3	46.4
12:55 AM - 01:00 AM	52.7	60.8	47.2
01:00 AM - 01:05 AM	53.9	67.8	47.4
01:05 AM - 01:10 AM	55.0	65.7	47.9
01:10 AM - 01:15 AM	53.3	63.9	47.8
01:15 AM - 01:20 AM	54.8	62.2	46.9
01:20 AM - 01:25 AM	53.6	62.7	43.8
01:25 AM - 01:30 AM	54.8	63.4	46.7
01:30 AM - 01:35 AM	51.1	64.1	46.3
01:35 AM - 01:40 AM	50.4	63.8	43.7
01:40 AM - 01:45 AM	51.1	64.1	44.1
01:45 AM - 01:50 AM	51.1	63.2	43.7
01:50 AM - 01:55 AM	50.6	60.6	43.1
01:55 AM - 02:00 AM	50.6	60.8	40.6
02:00 AM - 02:05 AM	50.6	60.8	40.9
02:05 AM - 02:10 AM	52.5	62.3	45.5
02:10 AM - 02:15 AM	52.4	62.5	43.9
02:15 AM - 02:20 AM	52.4	61.7	42.7
02:20 AM - 02:25 AM	52.4	63.2	44.4
02:25 AM - 02:30 AM	53.4	64.4	45.6
02:30 AM - 02:35 AM	52.5	61.5	44.6
02:35 AM - 02:40 AM	51.3	61.2	41.7
02:40 AM - 02:45 AM	51.3	61.9	40.8
02:45 AM - 02:50 AM	51.3	61.9	41.3
02:50 AM - 02:55 AM	51.3	61.9	41.3
02:55 AM - 03:00 AM	51.3	61.9	41.3
03:00 AM - 03:05 AM	51.3	61.9	41.3
03:05 AM - 03:10 AM	51.3	61.9	41.3
03:10 AM - 03:15 AM	51.3	61.9	41.3
03:15 AM - 03:20 AM	51.3	61.9	41.3
03:20 AM - 03:25 AM	51.3	61.9	41.3

Approved by

Kanokorn Anuk
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report No. : 3017077-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454503-5
Parameter Noise
Location ทุฟฟักฟักฟักฟักฟักฟัก (GPS 48Q 279468, 1888972) (งดขุด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sanglanwan Natsat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:25 AM - 07:30 AM	52.3	63.6	43.5
07:30 AM - 07:35 AM	52.4	61.9	43.0
07:35 AM - 07:40 AM	51.1	60.4	43.0
07:40 AM - 07:45 AM	53.7	63.3	43.9
07:45 AM - 07:50 AM	52.6	63.2	43.1
07:50 AM - 07:55 AM	54.5	70.9	44.9
07:55 AM - 08:00 AM	51.4	61.9	43.2
08:00 AM - 08:05 AM	50.6	60.7	42.6
08:05 AM - 08:10 AM	52.8	65.1	43.9
08:10 AM - 08:15 AM	54.2	64.8	43.7
08:15 AM - 08:20 AM	50.8	61.9	43.4
08:20 AM - 08:25 AM	53.5	65.0	44.1
08:25 AM - 08:30 AM	54.1	65.9	46.5
08:30 AM - 08:35 AM	54.9	66.5	47.4
08:35 AM - 08:40 AM	54.4	64.0	47.0
08:40 AM - 08:45 AM	52.0	61.4	45.5
08:45 AM - 08:50 AM	54.0	65.2	46.8
08:50 AM - 08:55 AM	54.7	63.1	46.1
08:55 AM - 09:00 AM	55.2	65.3	46.0
09:00 AM - 09:05 AM	53.7	67.6	47.0
09:05 AM - 09:10 AM	54.7	65.1	46.7
09:10 AM - 09:15 AM	55.1	64.8	47.7
09:15 AM - 09:20 AM	54.7	68.2	47.8
09:20 AM - 09:25 AM	55.5	65.8	47.1
09:25 AM - 09:30 AM	55.9	63.5	49.4
09:30 AM - 09:35 AM	56.4	65.7	50.8
09:35 AM - 09:40 AM	56.3	67.7	49.9
09:40 AM - 09:45 AM	56.1	64.6	51.0
09:45 AM - 09:50 AM	54.6	62.8	48.7
09:50 AM - 09:55 AM	54.8	63.2	50.3
09:55 AM - 06:00 AM	56.4	65.3	50.4
06:00 AM - 07:00 AM	58.4	72.3	53.3

Reference Method :

- In-house method : STH 06-001 based on ISO 1996-1 : 2016
- ใช้มาตรฐานการรายงานผลค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ 24 ชั่วโมง กรณีการงดขุดหรือการงดการขุดในพื้นที่ขุดเจาะ ม.ม. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report No. : 3017077-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454503-6
Parameter Noise
Location ทุฟฟักฟักฟักฟักฟักฟัก (GPS 48Q 279468, 1888972) (งดขุด) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sanglanwan Natsat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	58.5	62.1	53.5
08:00 AM - 09:00 AM	58.8	61.5	54.0
09:00 AM - 10:00 AM	58.1	76.9	54.3
10:00 AM - 11:00 AM	57.7	74.2	53.8
11:00 AM - 12:00 PM	57.8	76.1	53.3
12:00 PM - 01:00 PM	56.7	75.0	52.2
01:00 PM - 02:00 PM	58.6	74.0	54.3
02:00 PM - 03:00 PM	58.2	73.0	54.5
03:00 PM - 04:00 PM	59.2	74.9	55.1
04:00 PM - 05:00 PM	59.3	76.4	54.3
05:00 PM - 06:00 PM	58.8	80.0	54.0
06:00 PM - 07:00 PM	58.4	76.5	54.4
07:00 PM - 08:00 PM	57.6	77.2	51.5
08:00 PM - 09:00 PM	56.4	72.6	51.6
09:00 PM - 10:00 PM	56.0	68.7	51.1
10:00 PM - 10:30 PM	54.8	63.7	50.2
10:30 PM - 10:45 PM	57.5	72.6	48.2
10:45 PM - 10:55 PM	54.3	63.7	48.4
10:55 PM - 11:00 PM	54.4	66.5	47.6
11:00 PM - 11:05 PM	54.2	62.4	48.4
11:05 PM - 11:10 PM	54.4	66.7	50.0
11:10 PM - 11:15 PM	54.8	63.7	49.0
11:15 PM - 11:20 PM	54.4	62.5	46.4
11:20 PM - 11:25 PM	53.4	62.1	47.4
11:25 PM - 11:30 PM	54.5	66.8	45.4
11:30 PM - 11:35 PM	54.3	62.9	48.7
11:35 PM - 11:40 PM	55.3	70.7	47.7
11:40 PM - 11:45 PM	51.8	60.9	44.7
11:45 PM - 11:50 PM	54.3	71.0	45.5
11:50 PM - 11:55 PM	53.1	64.2	42.7
11:55 PM - 12:00 AM	54.0	66.1	45.9
12:00 AM - 12:05 AM	53.5	62.9	47.0

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report No. : 3017077-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454503-6
Parameter Noise
Location ทุฟฟักฟักฟักฟักฟักฟัก (GPS 48Q 279468, 1888972) (งดขุด) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sanglanwan Natsat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	52.7	55.6	47.1
12:10 AM - 12:15 AM	52.7	61.9	44.3
12:15 AM - 12:20 AM	51.8	70.3	47.8
12:20 AM - 12:25 AM	52.0	62.1	44.4
12:25 AM - 12:30 AM	52.6	62.4	42.0
12:30 AM - 12:35 AM	52.8	62.7	44.9
12:35 AM - 12:40 AM	54.7	67.3	46.4
12:40 AM - 12:45 AM	52.3	63.0	45.6
12:45 AM - 12:50 AM	52.7	62.7	45.5
12:50 AM - 12:55 AM	52.3	62.8	44.7
12:55 AM - 01:00 AM	52.2	62.4	48.4
01:00 AM - 01:05 AM	52.2	63.0	44.2
01:05 AM - 01:10 AM	54.0	68.0	46.0
01:10 AM - 01:15 AM	52.9	62.0	44.6
01:15 AM - 01:20 AM	55.4	68.9	45.1
01:20 AM - 01:25 AM	64.6	81.3	52.5
01:25 AM - 01:30 AM	52.4	61.7	45.1
01:30 AM - 01:35 AM	51.4	54.8	42.8
01:35 AM - 01:40 AM	54.3	64.2	45.7
01:40 AM - 01:45 AM	52.5	61.0	42.1
01:45 AM - 01:50 AM	56.0	69.2	42.0
01:50 AM - 01:55 AM	55.1	69.3	43.2
01:55 AM - 02:00 AM	53.5	64.0	44.1
02:00 AM - 02:05 AM	55.9	66.7	48.7
02:05 AM - 02:10 AM	53.0	66.8	43.6
02:10 AM - 02:15 AM	53.0	62.6	44.0
02:15 AM - 02:20 AM	53.0	69.2	47.1
02:20 AM - 02:25 AM	56.5	73.9	47.1
02:25 AM - 02:30 AM	52.8	61.5	44.7
02:30 AM - 02:35 AM	52.0	64.2	44.0
02:35 AM - 02:40 AM	52.9	61.4	44.2
02:40 AM - 02:45 AM	55.0	65.9	45.1
02:45 AM - 02:50 AM	53.0	62.8	46.1
02:50 AM - 02:55 AM	61.6	76.3	47.8
02:55 AM - 03:00 AM	53.5	65.8	44.6
03:00 AM - 03:05 AM	53.4	63.5	46.4
03:05 AM - 03:10 AM	52.3	66.4	46.3
03:10 AM - 03:15 AM	58.8	74.6	48.2
03:15 AM - 03:20 AM	53.8	63.4	46.5
03:20 AM - 03:25 AM	53.7	64.0	46.5

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Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received :Jun 04, 2024
Date Reported :Jun 07, 2024
Report No. : 3017077-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454503-6
Parameter Noise
Location ทุฟฟักฟักฟักฟักฟักฟัก (GPS 48Q 279468, 1888972) (งดขุด) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sanglanwan Natsat
Sound Level Meter S31293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	54.2	63.1	45.3
03:30 AM - 03:35 AM	54.5	63.0	45.0
03:35 AM - 03:40 AM	54.9	62.5	48.2
03:40 AM - 03:45 AM	54.6	66.1	44.3
03:45 AM - 03:50 AM	53.3	64.4	44.1
03:50 AM - 03:55 AM	53.9	63.8	42.3
03:55 AM - 04:00 AM	54.5	65.7	45.9
04:00 AM - 04:05 AM	53.0	65.7	45.2
04:05 AM - 04:10 AM	54.7	64.7	47.8
04:10 AM - 04:15 AM	54.4	62.3	46.5
04:15 AM - 04:20 AM	55.6	65.8	46.8
04:20 AM - 04:25 AM	55.1	63.4	47.4
04:25 AM - 04:30 AM	56.5	67.7	50.3
04:30 AM - 04:35 AM	56.8	65.4	50.9
04:35 AM - 04:40 AM	53.2	62.7	45.1
04:40 AM - 04:45 AM	53.5	64.0	48.3
04:45 AM - 04:50 AM	55.1	61.8	49.2
04:50 AM - 04:55 AM	55.4	64.3	47.1
04:55 AM - 05:00 AM	57.4	70.0	48.9
05:00 AM - 05:05 AM	56.0	61.9	52.8
05:05 AM - 05:10 AM	56.6	63.8	49.9
05:10 AM - 05:15 AM	55.2	63.7	48.9
05:15 AM - 05:20 AM	59.6	73.6	51.9
05:20 AM - 05:25 AM	58.0	65.8	50.2
05:25 AM - 05:30 AM	56.2	67.1	48.6
05:30 AM - 05:35 AM	57.0	67.5	51.8
05:35 AM - 05:40 AM	53.3	61.4	47.9
05:40 AM - 05:45 AM	54.6	66.8	52.0
05:45 AM - 05:50 AM	56.5	64.3	49.0
05:50 AM - 05:55 AM	56.8	63.0	51.6
05:55 AM - 06:00 AM	58.7	72.8	52.3
06:00 AM - 07:00 AM	58.0	73.9	52.8

Reference Method :

- In-house method : STH 06-001 based on ISO 1996-1 : 2016
- ใช้มาตรฐานการรายงานผลค่าเสียงตามข้อกำหนดของกรมควบคุมมลพิษ 24 ชั่วโมง กรณีการงดขุดหรือการงดการขุดในพื้นที่ขุดเจาะ ม.ม. 2567

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report No. : 3017078-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454503-7
Parameter : Noise
Location : หอพักผู้พักอาศัย/บ้านเลขที่ 104 (GPS 48Q 279468, 1888972) (หน้าบ้าน) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sangman Natsat
Sound Level Meter : S11293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	58.8	71.5	55.9
08:00 AM - 09:00 AM	59.4	77.5	54.6
09:00 AM - 10:00 AM	58.7	71.7	54.8
10:00 AM - 11:00 AM	58.5	77.8	53.9
11:00 AM - 12:00 PM	58.2	69.7	53.2
12:00 PM - 01:00 PM	57.4	62.8	53.7
01:00 PM - 02:00 PM	58.5	61.9	51.8
02:00 PM - 03:00 PM	60.2	60.2	55.2
03:00 PM - 04:00 PM	58.7	76.5	54.5
04:00 PM - 05:00 PM	58.8	77.0	54.5
05:00 PM - 06:00 PM	58.7	74.2	54.6
06:00 PM - 07:00 PM	58.4	76.1	53.1
07:00 PM - 08:00 PM	56.9	61.2	53.0
08:00 PM - 09:00 PM	56.2	70.9	49.7
09:00 PM - 10:00 PM	56.1	74.2	48.5
10:00 PM - 10:55 PM	54.9	65.1	47.6
10:55 PM - 10:59 PM	56.4	71.6	47.8
10:59 PM - 11:00 PM	54.9	64.2	46.3
11:00 PM - 11:05 PM	54.8	65.0	45.7
11:05 PM - 11:10 PM	54.2	62.1	44.1
11:10 PM - 11:15 PM	54.2	66.5	45.5
11:15 PM - 11:20 PM	54.9	64.7	47.0
11:20 PM - 11:25 PM	53.5	62.0	47.1
11:25 PM - 11:30 PM	53.9	65.9	45.2
11:30 PM - 11:35 PM	54.9	67.3	46.8
11:35 PM - 11:40 PM	54.9	65.1	45.2
11:40 PM - 11:45 PM	54.5	59.0	44.0
11:45 PM - 11:50 PM	54.4	67.4	45.3
11:50 PM - 11:55 PM	53.0	60.6	44.6
11:55 PM - 12:00 AM	55.7	71.2	44.0
12:00 AM - 12:05 AM	54.7	64.7	44.0
12:05 AM - 12:10 AM	54.3	66.3	45.2
12:10 AM - 12:15 AM	53.8	62.5	43.8
12:15 AM - 12:20 AM	53.0	63.2	42.2
12:20 AM - 12:25 AM	54.4	65.4	42.3
12:25 AM - 12:30 AM	53.8	62.5	43.8
12:30 AM - 12:35 AM	53.0	63.2	42.2
12:35 AM - 12:40 AM	54.4	65.4	42.3
12:40 AM - 12:45 AM	53.8	62.5	43.8
12:45 AM - 12:50 AM	53.0	63.2	42.2
12:50 AM - 12:55 AM	54.4	65.4	42.3
12:55 AM - 01:00 AM	53.8	62.5	43.8
01:00 AM - 01:05 AM	53.0	63.2	42.2
01:05 AM - 01:10 AM	54.4	65.4	42.3
01:10 AM - 01:15 AM	53.8	62.5	43.8
01:15 AM - 01:20 AM	53.0	63.2	42.2
01:20 AM - 01:25 AM	54.4	65.4	42.3
01:25 AM - 01:30 AM	53.8	62.5	43.8
01:30 AM - 01:35 AM	53.0	63.2	42.2
01:35 AM - 01:40 AM	54.4	65.4	42.3
01:40 AM - 01:45 AM	53.8	62.5	43.8
01:45 AM - 01:50 AM	53.0	63.2	42.2
01:50 AM - 01:55 AM	54.4	65.4	42.3
01:55 AM - 02:00 AM	53.8	62.5	43.8
02:00 AM - 02:05 AM	53.0	63.2	42.2
02:05 AM - 02:10 AM	54.4	65.4	42.3
02:10 AM - 02:15 AM	53.8	62.5	43.8
02:15 AM - 02:20 AM	53.0	63.2	42.2
02:20 AM - 02:25 AM	54.4	65.4	42.3
02:25 AM - 02:30 AM	53.8	62.5	43.8
02:30 AM - 02:35 AM	53.0	63.2	42.2
02:35 AM - 02:40 AM	54.4	65.4	42.3
02:40 AM - 02:45 AM	53.8	62.5	43.8
02:45 AM - 02:50 AM	53.0	63.2	42.2
02:50 AM - 02:55 AM	54.4	65.4	42.3
02:55 AM - 03:00 AM	53.8	62.5	43.8
03:00 AM - 03:05 AM	53.0	63.2	42.2
03:05 AM - 03:10 AM	54.4	65.4	42.3
03:10 AM - 03:15 AM	53.8	62.5	43.8
03:15 AM - 03:20 AM	53.0	63.2	42.2
03:20 AM - 03:25 AM	54.4	65.4	42.3
03:25 AM - 03:30 AM	53.8	62.5	43.8
03:30 AM - 03:35 AM	53.0	63.2	42.2
03:35 AM - 03:40 AM	54.4	65.4	42.3
03:40 AM - 03:45 AM	53.8	62.5	43.8
03:45 AM - 03:50 AM	53.0	63.2	42.2
03:50 AM - 03:55 AM	54.4	65.4	42.3
03:55 AM - 04:00 AM	53.8	62.5	43.8
04:00 AM - 04:05 AM	53.0	63.2	42.2
04:05 AM - 04:10 AM	54.4	65.4	42.3
04:10 AM - 04:15 AM	53.8	62.5	43.8
04:15 AM - 04:20 AM	53.0	63.2	42.2
04:20 AM - 04:25 AM	54.4	65.4	42.3
04:25 AM - 04:30 AM	53.8	62.5	43.8
04:30 AM - 04:35 AM	53.0	63.2	42.2
04:35 AM - 04:40 AM	54.4	65.4	42.3
04:40 AM - 04:45 AM	53.8	62.5	43.8
04:45 AM - 04:50 AM	53.0	63.2	42.2
04:50 AM - 04:55 AM	54.4	65.4	42.3
04:55 AM - 05:00 AM	53.8	62.5	43.8
05:00 AM - 05:05 AM	53.0	63.2	42.2
05:05 AM - 05:10 AM	54.4	65.4	42.3
05:10 AM - 05:15 AM	53.8	62.5	43.8
05:15 AM - 05:20 AM	53.0	63.2	42.2
05:20 AM - 05:25 AM	54.4	65.4	42.3
05:25 AM - 05:30 AM	53.8	62.5	43.8
05:30 AM - 05:35 AM	53.0	63.2	42.2
05:35 AM - 05:40 AM	54.4	65.4	42.3
05:40 AM - 05:45 AM	53.8	62.5	43.8
05:45 AM - 05:50 AM	53.0	63.2	42.2
05:50 AM - 05:55 AM	54.4	65.4	42.3
05:55 AM - 06:00 AM	53.8	62.5	43.8
06:00 AM - 06:05 AM	53.0	63.2	42.2
06:05 AM - 06:10 AM	54.4	65.4	42.3
06:10 AM - 06:15 AM	53.8	62.5	43.8
06:15 AM - 06:20 AM	53.0	63.2	42.2
06:20 AM - 06:25 AM	54.4	65.4	42.3
06:25 AM - 06:30 AM	53.8	62.5	43.8
06:30 AM - 06:35 AM	53.0	63.2	42.2
06:35 AM - 06:40 AM	54.4	65.4	42.3
06:40 AM - 06:45 AM	53.8	62.5	43.8
06:45 AM - 06:50 AM	53.0	63.2	42.2
06:50 AM - 06:55 AM	54.4	65.4	42.3
06:55 AM - 07:00 AM	53.8	62.5	43.8

The above results are subject to the standard method described in this report. The data for this report is not to be reproduced in any form without written consent from the laboratory. A Laboratory Control Chart is being maintained and this report is not to be reproduced in any form.

Approved by

Kasol Phol Sugar Co., Ltd.
Kasol Phol Sugar Co., Ltd.
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report No. : 3017078-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454503-7
Parameter : Noise
Location : หอพักผู้พักอาศัย/บ้านเลขที่ 104 (GPS 48Q 279468, 1888972) (หน้าบ้าน) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sangman Natsat
Sound Level Meter : S11293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	53.5	53.5	43.6
12:40 AM - 12:45 AM	52.2	52.2	41.1
12:45 AM - 12:50 AM	53.7	53.7	40.4
12:50 AM - 12:55 AM	52.9	52.9	46.2
12:55 AM - 13:00 AM	53.5	53.5	44.9
13:00 AM - 13:05 AM	51.3	51.3	42.4
13:05 AM - 13:10 AM	52.9	52.9	44.9
13:10 AM - 13:15 AM	51.9	51.9	42.7
13:15 AM - 13:20 AM	53.7	53.7	43.8
13:20 AM - 13:25 AM	52.8	52.8	42.6
13:25 AM - 13:30 AM	53.9	53.9	43.5
13:30 AM - 13:35 AM	54.2	54.2	44.2
13:35 AM - 13:40 AM	54.5	54.5	48.1
13:40 AM - 13:45 AM	53.3	53.3	44.2
13:45 AM - 13:50 AM	52.0	52.0	42.3
13:50 AM - 13:55 AM	53.6	53.6	46.2
13:55 AM - 14:00 AM	54.1	54.1	44.1
14:00 AM - 14:05 AM	53.8	53.8	46.4
14:05 AM - 14:10 AM	53.8	53.8	44.8
14:10 AM - 14:15 AM	53.7	53.7	45.9
14:15 AM - 14:20 AM	55.6	55.6	43.8
14:20 AM - 14:25 AM	54.3	54.3	43.0
14:25 AM - 14:30 AM	54.6	54.6	42.4
14:30 AM - 14:35 AM	54.9	54.9	42.4
14:35 AM - 14:40 AM	53.6	53.6	43.0
14:40 AM - 14:45 AM	53.4	53.4	42.7
14:45 AM - 14:50 AM	52.9	52.9	44.1
14:50 AM - 14:55 AM	53.3	53.3	43.7
14:55 AM - 15:00 AM	53.4	53.4	43.0
15:00 AM - 15:05 AM	52.9	52.9	43.7
15:05 AM - 15:10 AM	53.3	53.3	45.0
15:10 AM - 15:15 AM	54.3	54.3	46.1
15:15 AM - 15:20 AM	53.8	53.8	46.3
15:20 AM - 15:25 AM	54.0	54.0	43.8
15:25 AM - 15:30 AM	54.6	54.6	45.1
15:30 AM - 15:35 AM	53.4	53.4	45.3
15:35 AM - 15:40 AM	52.2	52.2	43.1
15:40 AM - 15:45 AM	53.7	53.7	43.0
15:45 AM - 15:50 AM	52.8	52.8	43.3
15:50 AM - 15:55 AM	53.0	53.0	44.0
15:55 AM - 16:00 AM	53.6	53.6	43.3

Approved by

Kasol Phol Sugar Co., Ltd.
Kasol Phol Sugar Co., Ltd.
Senior Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454503
Date Received : Jun 04, 2024
Date Reported : Jun 07, 2024
Report No. : 3017078-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454503-7
Parameter : Noise
Location : หอพักผู้พักอาศัย/บ้านเลขที่ 104 (GPS 48Q 279468, 1888972) (หน้าบ้าน) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sangman Natsat
Sound Level Meter : S11293

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	54.1	63.2	44.9
03:40 AM - 03:45 AM	54.7	64.2	45.5
03:45 AM - 03:50 AM	55.2	74.7	43.0
03:50 AM - 03:55 AM	53.7	64.2	46.3
03:55 AM - 04:00 AM	54.2	63.1	44.0
04:00 AM - 04:05 AM	57.1	71.8	46.5
04:05 AM - 04:10 AM	55.0	70.4	44.9
04:10 AM - 04:15 AM	52.9	63.0	42.6
04:15 AM - 04:20 AM	52.5	62.5	43.5
04:20 AM - 04:25 AM	52.1	62.1	42.4
04:25 AM - 04:30 AM	55.6	65.2	46.0
04:30 AM - 04:35 AM	53.9	63.1	44.3
04:35 AM - 04:40 AM	53.1	65.0	42.3
04:40 AM - 04:45 AM	55.9	67.9	49.9
04:45 AM - 04:50 AM	55.4	66.8	47.8
04:50 AM - 04:55 AM	54.1	65.5	44.5
04:55 AM - 05:00 AM	55.2	64.4	48.4
05:00 AM - 05:05 AM	56.2	66.0	51.4
05:05 AM - 05:10 AM	55.3	64.5	48.9
05:10 AM - 05:15 AM	55.7	67.3	46.7
05:15 AM - 05:20 AM	58.1	70.2	50.5
05:20 AM - 05:25 AM	55.7	62.0	48.3
05:25 AM - 05:30 AM	55.3	63.1	50.3
05:30 AM - 05:35 AM	57.9	67.3	50.5
05:35 AM - 05:40 AM	56.4	63.8	49.5
05:40 AM - 05:45 AM	57.3	65.1	51.1
05:45 AM - 05:50 AM	56.2	64.8	52.2
05:50 AM - 05:55 AM	56.2	64.2	49.4
05:55 AM - 06:00 AM	57.0	65.5	51.9
06:00 AM - 06:05 AM	57.9	64.1	50.6
06:05 AM - 06:10 AM	55.0	63.3	54.2

Reference Method :

1. In-house method : STM 05-001 based on ISO 1996-1:2016
2. วิธีการวัดและประเมินค่าเสียง : วิธีการวัดและประเมินค่าเสียงตามมาตรฐาน 24 วิธีการวัดและประเมินค่าเสียงตามมาตรฐาน ม.ร. 2567

The above results are subject to the standard method described in this report. The data for this report is not to be reproduced in any form without written consent from the laboratory. A Laboratory Control Chart is being maintained and this report is not to be reproduced in any form.

Approved by

Kasol Phol Sugar Co., Ltd.
Kasol Phol Sugar Co., Ltd.
Senior Manager

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Analysis / Test Report



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No : 3017273-1

P/O : 4210005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Page 2 of 3

Sample No. 2454492-8
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	45.7	50.2	44.5
12:10 AM - 12:15 AM	46.2	50.0	44.6
12:15 AM - 12:20 AM	45.9	49.5	43.8
12:20 AM - 12:25 AM	43.1	54.0	42.5
12:25 AM - 12:30 AM	45.1	50.9	42.7
12:30 AM - 12:35 AM	45.5	51.4	46.4
12:35 AM - 12:40 AM	44.5	48.6	43.1
12:40 AM - 12:45 AM	52.6	74.1	43.9
12:45 AM - 12:50 AM	46.3	49.5	44.3
12:50 AM - 12:55 AM	44.9	50.5	43.9
12:55 AM - 01:00 AM	44.6	48.4	43.9
01:00 AM - 01:05 AM	44.1	47.2	44.2
01:05 AM - 01:10 AM	45.5	55.8	43.6
01:10 AM - 01:15 AM	44.3	53.1	43.3
01:15 AM - 01:20 AM	42.7	50.1	42.5
01:20 AM - 01:25 AM	42.7	49.2	42.7
01:25 AM - 01:30 AM	44.6	51.4	42.8
01:30 AM - 01:35 AM	44.2	48.9	43.5
01:35 AM - 01:40 AM	44.7	49.7	43.5
01:40 AM - 01:45 AM	44.6	48.1	44.0
01:45 AM - 01:50 AM	43.6	48.0	42.4
01:50 AM - 01:55 AM	44.9	50.2	44.0
01:55 AM - 02:00 AM	44.2	47.8	43.3
02:00 AM - 02:05 AM	44.0	50.4	42.4
02:05 AM - 02:10 AM	44.5	52.7	43.4
02:10 AM - 02:15 AM	44.1	49.9	42.5
02:15 AM - 02:20 AM	43.4	47.0	42.7
02:20 AM - 02:25 AM	43.5	49.1	41.6
02:25 AM - 02:30 AM	43.3	47.6	42.5
02:30 AM - 02:35 AM	41.4	48.4	42.7
02:35 AM - 02:40 AM	43.4	49.8	42.3
02:40 AM - 02:45 AM	43.4	47.8	42.5
02:45 AM - 02:50 AM	42.3	47.0	41.9
02:50 AM - 02:55 AM	43.0	51.8	40.7
02:55 AM - 03:00 AM	43.9	56.3	41.6
03:00 AM - 03:05 AM	42.8	51.6	40.5
03:05 AM - 03:10 AM	41.9	49.2	40.3
03:10 AM - 03:15 AM	43.0	54.0	41.0
03:15 AM - 03:20 AM	42.9	58.9	41.1
03:20 AM - 03:25 AM	43.8	51.8	41.3

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Kanokorn Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No : 3017273-1

P/O : 4210005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Page 3 of 3

Sample No. 2454492-8
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	45.1	60.1	41.6
03:30 AM - 03:35 AM	43.6	54.4	41.5
03:35 AM - 03:40 AM	43.9	57.0	41.5
03:40 AM - 03:45 AM	44.0	57.6	42.0
03:45 AM - 03:50 AM	43.7	54.5	42.3
03:50 AM - 03:55 AM	42.5	51.4	41.7
03:55 AM - 04:00 AM	43.5	59.9	41.7
04:00 AM - 04:05 AM	43.1	46.9	41.5
04:05 AM - 04:10 AM	43.6	48.9	42.4
04:10 AM - 04:15 AM	45.1	57.7	42.7
04:15 AM - 04:20 AM	44.2	52.3	42.7
04:20 AM - 04:25 AM	43.2	52.3	42.7
04:25 AM - 04:30 AM	43.3	48.0	42.3
04:30 AM - 04:35 AM	43.6	50.6	42.3
04:35 AM - 04:40 AM	43.2	51.6	41.8
04:40 AM - 04:45 AM	42.9	48.2	41.8
04:45 AM - 04:50 AM	42.8	50.1	41.4
04:50 AM - 04:55 AM	43.1	59.5	41.4
04:55 AM - 05:00 AM	44.9	57.6	42.6
05:00 AM - 05:05 AM	44.5	52.3	42.5
05:05 AM - 05:10 AM	43.8	50.0	42.7
05:10 AM - 05:15 AM	43.2	48.5	42.1
05:15 AM - 05:20 AM	44.1	55.6	42.5
05:20 AM - 05:25 AM	44.0	50.6	42.8
05:25 AM - 05:30 AM	44.0	50.3	43.0
05:30 AM - 05:35 AM	44.2	53.5	43.1
05:35 AM - 05:40 AM	44.8	52.1	43.2
05:40 AM - 05:45 AM	45.1	61.1	42.1
05:45 AM - 05:50 AM	44.2	52.8	42.5
05:50 AM - 05:55 AM	44.3	51.7	42.3
05:55 AM - 06:00 AM	43.6	52.7	42.6
06:00 AM - 06:05 AM	44.6	58.1	43.3

Reference Method :

1. In-house method: STM 66-001 based on ISO 1996-1:2016
2. อุปกรณ์วัดเสียงและเครื่องมือวัดเสียงที่ใช้ในการวัดเสียงตามมาตรฐาน ISO 1996-1:2016

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No : 3017274-1

P/O : 4210005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Page 1 of 3

Sample No. 2454492-9
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 07:05 AM	42.9	58.6	40.8
07:05 AM - 07:10 AM	42.9	58.5	37.5
07:10 AM - 07:15 AM	42.4	70.1	38.4
07:15 AM - 07:20 AM	42.3	68.5	38.1
07:20 AM - 07:25 AM	46.4	77.4	40.5
07:25 AM - 07:30 AM	50.4	79.0	39.6
07:30 AM - 07:35 AM	46.3	65.8	39.3
07:35 AM - 07:40 AM	46.7	66.1	40.4
07:40 AM - 07:45 AM	45.3	62.4	38.4
07:45 AM - 07:50 AM	46.0	74.6	38.9
07:50 AM - 07:55 AM	41.2	66.3	36.2
07:55 AM - 08:00 AM	43.1	67.1	36.0
08:00 AM - 08:05 AM	43.6	66.9	37.2
08:05 AM - 08:10 AM	46.9	68.8	37.8
08:10 AM - 08:15 AM	43.5	67.5	36.3
08:15 AM - 08:20 AM	38.4	49.3	36.0
08:20 AM - 08:25 AM	42.2	50.0	38.6
08:25 AM - 08:30 AM	42.3	61.0	40.0
08:30 AM - 08:35 AM	43.6	66.0	40.2
08:35 AM - 08:40 AM	43.5	72.5	40.7
08:40 AM - 08:45 AM	44.2	57.1	39.9
08:45 AM - 08:50 AM	43.6	51.1	39.2
08:50 AM - 08:55 AM	44.3	54.5	42.4
08:55 AM - 09:00 AM	46.9	52.6	41.0
09:00 AM - 09:05 AM	47.1	50.3	42.1
09:05 AM - 09:10 AM	44.7	44.7	41.6
09:10 AM - 09:15 AM	44.5	55.8	41.3
09:15 AM - 09:20 AM	42.4	52.7	41.1
09:20 AM - 09:25 AM	48.4	58.4	42.3
09:25 AM - 09:30 AM	44.7	58.8	40.4
09:30 AM - 09:35 AM	44.8	59.1	42.0
09:35 AM - 09:40 AM	42.6	49.0	40.5
09:40 AM - 09:45 AM	41.4	47.0	39.9
09:45 AM - 09:50 AM	43.0	55.5	39.1
09:50 AM - 09:55 AM	41.4	49.3	38.5
09:55 AM - 10:00 AM	45.2	60.0	41.6
10:00 AM - 10:05 AM	42.6	50.0	40.2
10:05 AM - 10:10 AM	41.4	47.0	39.7
10:10 AM - 10:15 AM	41.4	49.2	39.5
10:15 AM - 10:20 AM	41.4	49.2	41.2
10:20 AM - 10:25 AM	43.5	55.7	40.4

The above results are valid only for the analyzed period as indicated in the report. No part of the report and data may be reproduced or used without written consent from the Laboratory. ALS Laboratory Group (Thailand) Limited is responsible for this report and not responsible for any misuse.

Approved by

Kanokorn Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No : 3017274-1

P/O : 4210005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Page 2 of 3

Sample No. 2454492-9
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	42.6	57.0	39.4
12:10 AM - 12:15 AM	42.6	51.3	39.9
12:15 AM - 12:20 AM	41.1	46.5	39.7
12:20 AM - 12:25 AM	43.6	50.9	39.3
12:25 AM - 12:30 AM	46.5	53.8	41.3
12:30 AM - 12:35 AM	46.8	54.4	41.4
12:35 AM - 12:40 AM	43.5	53.6	40.3
12:40 AM - 12:45 AM	41.9	52.1	40.2
12:45 AM - 12:50 AM	41.9	47.0	39.7
12:50 AM - 12:55 AM	40.7	52.6	39.7
12:55 AM - 01:00 AM	40.6	49.4	39.3
01:00 AM - 01:05 AM	42.8	55.5	40.4
01:05 AM - 01:10 AM	42.3	54.4	42.1
01:10 AM - 01:15 AM	42.8	49.8	42.0
01:15 AM - 01:20 AM	42.7	48.5	40.5
01:20 AM - 01:25 AM	42.2	52.0	40.2
01:25 AM - 01:30 AM	42.6	53.1	40.9
01:30 AM - 01:35 AM	43.4	53.5	41.3
01:35 AM - 01:40 AM	43.2	51.8	41.5
01:40 AM - 01:45 AM	44.9	53.5	42.7
01:45 AM - 01:50 AM	44.5	52.5	43.6
01:50 AM - 01:55 AM	43.0	50.0	43.7
01:55 AM - 02:00 AM	42.7	55.8	43.7
02:00 AM - 02:05 AM	43.2	51.8	42.2
02:05 AM - 02:10 AM	42.5	48.4	41.6
02:10 AM - 02:15 AM	42.6	50.4	41.6
02:15 AM - 02:20 AM	42.3	48.5	41.8
02:20 AM - 02:25 AM	44.0	51.5	42.2
02:25 AM - 02:30 AM	46.2	55.9	42.7
02:30 AM - 02:35 AM	44.3	51.0	42.9
02:35 AM - 02:40 AM	44.5	52.4	42.7
02:40 AM - 02:45 AM	43.0	60.8	41.8
02:45 AM - 02:50 AM	43.6	56.2	41.6
02:50 AM - 02:55 AM	42.7	51.8	41.5
02:55 AM - 03:00 AM	42.4	53.6	40.8
03:00 AM - 03:05 AM	42.7	48.5	41.2
03:05 AM - 03:10 AM	41.4	52.8	40.4

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Approved by

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Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 301727-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454492-9
Parameter : Noise
Location : ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277029, 1888764) (ห้วยน้ำขุ่น) (Shut down)
Measurement Date : May 28 - 27, 2024
Measurement by : Sangtawan Hatastat
Sound Level Meter : 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:35 AM - 07:50 AM	41.9	51.1	40.4
07:50 AM - 08:05 AM	42.2	48.4	41.0
08:05 AM - 08:20 AM	42.8	50.1	41.3
08:20 AM - 08:35 AM	43.5	50.0	41.5
08:35 AM - 08:50 AM	42.8	50.4	41.6
08:50 AM - 09:05 AM	42.5	48.4	41.4
09:05 AM - 09:20 AM	42.5	50.1	41.1
09:20 AM - 09:35 AM	42.8	49.0	41.6
09:35 AM - 09:50 AM	42.7	50.0	41.4
09:50 AM - 10:05 AM	42.9	51.6	41.3
10:05 AM - 10:20 AM	42.4	49.3	40.3
10:20 AM - 10:35 AM	41.7	46.3	40.1
10:35 AM - 10:50 AM	42.2	49.5	40.9
10:50 AM - 11:05 AM	41.5	51.1	40.2
11:05 AM - 11:20 AM	41.4	46.0	40.1
11:20 AM - 11:35 AM	40.8	50.0	38.3
11:35 AM - 11:50 AM	44.7	53.4	40.0
11:50 AM - 12:05 PM	44.4	50.8	40.2
12:05 PM - 12:20 PM	44.6	49.9	40.8
12:20 PM - 12:35 PM	44.5	48.5	40.7
12:35 PM - 12:50 PM	44.6	46.0	40.9
12:50 PM - 01:05 PM	44.9	53.5	42.7
01:05 PM - 01:20 PM	45.3	48.5	44.3
01:20 PM - 01:35 PM	45.3	51.1	44.2
01:35 PM - 01:50 PM	46.1	57.0	44.1
01:50 PM - 02:05 PM	45.0	48.8	44.1
02:05 PM - 02:20 PM	42.8	48.9	41.0
02:20 PM - 02:35 PM	44.1	51.3	40.9
02:35 PM - 02:50 PM	44.0	51.9	42.3
02:50 PM - 03:05 PM	44.4	54.4	43.1
03:05 PM - 03:20 PM	42.6	52.5	40.7
03:20 PM - 03:35 PM	42.1	46.5	40.1

Reference Method :

1. In-house method : STM 06-01 based on ISO 1996-1 : 2016
2. มาตรฐานการวัดและประเมินผลกระทบทางเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2557

The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report.

Approved by

Kanoklom Anek
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 301727-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454492-10
Parameter : Noise
Location : ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (ห้วยน้ำขุ่น) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Hatastat
Sound Level Meter : 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:30 AM - 07:45 AM	44.8	64.5	39.2
07:45 AM - 08:00 AM	47.3	65.3	39.4
08:00 AM - 08:15 AM	48.1	71.9	37.6
08:15 AM - 08:30 AM	42.5	65.0	36.5
08:30 AM - 08:45 AM	42.1	58.8	36.6
08:45 AM - 09:00 PM	41.6	67.3	36.5
09:00 PM - 09:15 PM	45.2	71.0	35.8
09:15 PM - 09:30 PM	40.9	63.1	35.3
09:30 PM - 09:45 PM	40.5	58.2	34.9
09:45 PM - 10:00 PM	41.4	61.3	36.0
10:00 PM - 10:15 PM	41.9	59.1	36.1
10:15 PM - 10:30 PM	43.3	63.5	37.3
10:30 PM - 10:45 PM	41.8	61.5	41.6
10:45 PM - 10:59 PM	44.8	55.7	42.9
10:59 PM - 11:00 PM	43.0	48.8	42.3
11:00 PM - 11:05 PM	42.6	47.9	42.1
11:05 PM - 11:10 PM	41.4	45.6	42.4
11:10 PM - 11:15 PM	43.7	46.7	43.0
11:15 PM - 11:20 PM	43.0	45.0	43.0
11:20 PM - 11:25 PM	41.9	43.0	41.6
11:25 PM - 11:30 PM	41.1	44.2	41.5
11:30 PM - 11:40 PM	42.1	50.6	42.0
11:40 PM - 11:45 PM	42.9	53.2	42.1
11:45 PM - 11:50 PM	42.8	51.7	41.3
11:50 PM - 11:55 PM	42.5	45.5	41.5
11:55 PM - 12:00 PM	42.9	46.3	42.0
11:55 PM - 12:05 PM	42.6	46.7	42.2
12:05 PM - 12:10 PM	42.7	46.1	41.8
12:10 PM - 12:15 PM	42.9	48.0	41.4
12:15 PM - 12:20 PM	41.4	43.1	41.8
12:20 PM - 12:25 PM	41.8	44.0	41.2
12:25 PM - 12:30 PM	42.5	48.5	41.9
12:30 PM - 12:35 PM	42.4	41.5	41.8
12:35 PM - 12:40 PM	42.0	46.5	41.1
12:40 PM - 12:45 PM	42.5	51.7	41.2
12:45 PM - 12:50 PM	42.2	54.0	41.4
12:50 PM - 12:55 PM	41.8	44.3	41.3
12:55 PM - 12:59 AM	42.3	49.2	41.3

The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report.

Approved by

Kanoklom Anek
Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 301727-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454492-10
Parameter : Noise
Location : ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (ห้วยน้ำขุ่น) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Hatastat
Sound Level Meter : 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:55 AM - 01:10 AM	41.9	42.7	41.2
01:10 AM - 01:25 AM	41.2	44.7	40.6
01:25 AM - 01:40 AM	41.9	46.6	41.4
01:40 AM - 01:55 AM	41.7	45.6	40.9
01:55 AM - 02:10 AM	41.8	49.8	41.0
02:10 AM - 02:25 AM	42.0	42.0	41.4
02:25 AM - 02:40 AM	42.2	46.3	41.7
02:40 AM - 02:55 AM	43.1	47.9	41.5
02:55 AM - 03:10 AM	42.6	46.7	41.5
03:10 AM - 03:25 AM	42.2	43.0	41.5
03:25 AM - 03:40 AM	41.8	46.3	41.2
03:40 AM - 03:55 AM	42.1	41.0	41.3
03:55 AM - 04:10 AM	41.5	41.2	41.2
04:10 AM - 04:25 AM	41.7	41.5	41.5
04:25 AM - 04:40 AM	41.8	41.2	41.2
04:40 AM - 04:55 AM	41.9	41.4	41.4
04:55 AM - 05:10 AM	41.5	44.5	41.2
05:10 AM - 05:25 AM	41.6	46.7	40.9
05:25 AM - 05:40 AM	41.3	44.3	40.6
05:40 AM - 05:55 AM	41.9	41.4	39.6
05:55 AM - 06:10 AM	41.1	44.5	40.0
06:10 AM - 06:25 AM	41.9	46.4	41.2
06:25 AM - 06:40 AM	41.9	48.5	41.0
06:40 AM - 06:55 AM	41.9	46.4	41.2
06:55 AM - 07:10 AM	41.9	44.3	41.0
07:10 AM - 07:25 AM	41.7	42.2	41.2
07:25 AM - 07:40 AM	41.4	40.2	40.6
07:40 AM - 07:55 AM	41.5	42.5	40.5
07:55 AM - 08:10 AM	41.6	40.3	40.6
08:10 AM - 08:25 AM	40.8	53.0	40.0
08:25 AM - 08:40 AM	41.9	52.4	41.2
08:40 AM - 08:55 AM	41.6	41.5	41.1
08:55 AM - 09:10 AM	42.0	47.1	41.4
09:10 AM - 09:25 AM	42.0	43.1	41.5
09:25 AM - 09:40 AM	41.3	44.6	41.1
09:40 AM - 09:55 AM	40.8	45.4	40.6
09:55 AM - 10:10 AM	40.8	41.1	39.9
10:10 AM - 10:25 AM	40.9	44.1	39.5
10:25 AM - 10:40 AM	40.5	41.3	39.4
10:40 AM - 10:55 AM	40.1	46.6	39.1
10:55 AM - 11:10 AM	39.8	41.5	39.1
11:10 AM - 11:25 AM	39.5	40.5	38.9

The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report.

Approved by

Kanoklom Anek
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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 301727-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454492-10
Parameter : Noise
Location : ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (ห้วยน้ำขุ่น) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Hatastat
Sound Level Meter : 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:50 AM	39.5	45.5	37.9
03:50 AM - 04:05 AM	39.8	47.6	38.1
04:05 AM - 04:20 AM	39.0	47.3	38.3
04:20 AM - 04:35 AM	39.1	46.1	37.4
04:35 AM - 04:50 AM	39.8	47.4	37.5
04:50 AM - 05:05 AM	39.2	42.5	37.4
05:05 AM - 05:20 AM	37.7	43.9	36.9
05:20 AM - 05:35 AM	38.2	43.2	36.7
05:35 AM - 05:50 AM	38.3	41.7	36.9
05:50 AM - 06:05 AM	37.9	45.9	36.5
06:05 AM - 06:20 AM	37.9	43.1	36.4
06:20 AM - 06:35 AM	38.3	46.3	36.1
06:35 AM - 06:50 AM	40.1	43.2	38.6
06:50 AM - 07:05 AM	40.2	46.1	38.8
07:05 AM - 07:20 AM	39.5	41.4	38.3
07:20 AM - 07:35 AM	39.8	42.8	39.7
07:35 AM - 07:50 AM	40.2	42.5	39.6
07:50 AM - 08:05 AM	40.6	44.0	39.8
08:05 AM - 08:20 AM	42.9	42.7	40.1
08:20 AM - 08:35 AM	42.7	49.2	40.0
08:35 AM - 08:50 AM	53.5	56.5	42.0
08:50 AM - 09:05 AM	42.3	52.7	40.6
09:05 AM - 09:20 AM	48.6	51.4	41.9
09:20 AM - 09:35 AM	50.1	60.0	44.6
09:35 AM - 09:50 AM	42.5	42.5	43.3
09:50 AM - 10:05 AM	46.6	62.8	41.5
10:05 AM - 10:20 AM	46.8	52.6	41.8
10:20 AM - 10:35 AM	46.8	63.7	42.3
10:35 AM - 10:50 AM	41.1	52.0	41.4
10:50 AM - 11:05 AM	46.7	58.4	42.3
11:05 AM - 11:20 AM	47.8	62.7	41.2
11:20 AM - 11:35 AM	48.4	57.1	40.3

Reference Method :

1. In-house method : STM 06-01 based on ISO 1996-1 : 2016
2. มาตรฐานการวัดและประเมินผลกระทบทางเสียงตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2557

The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report. The data results are valid for the analysis and test results as indicated in this report.

Approved by

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Senior Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017276-1

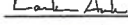
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454492-11
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	44.9	60.6	39.1
08:00 AM - 09:00 AM	43.4	62.4	37.3
09:00 AM - 10:00 AM	42.7	62.7	36.7
10:00 AM - 11:00 AM	43.7	66.5	38.0
11:00 AM - 12:00 PM	41.6	61.3	35.1
12:00 PM - 01:00 PM	42.0	61.8	35.2
01:00 PM - 02:00 PM	40.1	68.1	35.0
02:00 PM - 03:00 PM	41.4	67.4	36.2
03:00 PM - 04:00 PM	41.9	66.9	37.7
04:00 PM - 05:00 PM	43.5	62.4	38.8
05:00 PM - 06:00 PM	42.3	68.9	38.0
06:00 PM - 07:00 PM	43.5	64.7	38.9
07:00 PM - 08:00 PM	50.4	69.8	42.3
08:00 PM - 09:00 PM	44.3	55.6	42.7
09:00 PM - 10:00 PM	43.5	51.0	42.4
10:00 PM - 11:00 PM	42.0	43.6	41.6
11:00 PM - 12:00 AM	42.1	44.8	41.6
12:00 AM - 01:00 AM	42.0	43.6	41.6
01:00 AM - 02:00 AM	42.1	45.7	41.5
02:00 AM - 03:00 AM	42.3	46.0	41.7
03:00 AM - 04:00 AM	42.0	44.3	41.3
04:00 AM - 05:00 AM	41.6	41.8	41.6
05:00 AM - 06:00 AM	42.1	46.3	41.5
06:00 AM - 07:00 AM	42.4	45.5	41.8
07:00 AM - 08:00 AM	41.9	44.1	41.8
08:00 AM - 09:00 AM	42.3	44.9	41.7
09:00 AM - 10:00 AM	42.0	45.6	42.2
10:00 AM - 11:00 AM	42.5	49.1	41.6
11:00 AM - 12:00 PM	41.8	46.6	41.1
12:00 PM - 01:00 PM	42.1	45.8	41.3
01:00 PM - 02:00 PM	42.2	52.6	41.5
02:00 PM - 03:00 PM	41.9	43.7	41.5
03:00 PM - 04:00 PM	43.3	59.3	41.8
04:00 PM - 05:00 PM	41.9	45.1	41.3
05:00 PM - 06:00 PM	41.2	48.3	40.5
06:00 PM - 07:00 PM	41.9	48.3	40.8
07:00 PM - 08:00 PM	41.4	44.7	40.7
08:00 PM - 09:00 PM	40.9	44.2	40.1
09:00 PM - 10:00 PM	41.5	45.1	40.1
10:00 PM - 11:00 PM	43.0	49.8	41.9

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Approved by 
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Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

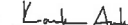
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-11
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 AM - 01:00 AM	42.5	47.9	41.4
01:00 AM - 02:00 AM	41.6	44.3	41.1
02:00 AM - 03:00 AM	41.6	44.5	41.1
03:00 AM - 04:00 AM	40.9	43.5	40.2
04:00 AM - 05:00 AM	40.2	42.5	39.5
05:00 AM - 06:00 AM	41.0	45.0	40.6
06:00 AM - 07:00 AM	40.1	47.4	39.2
07:00 AM - 08:00 AM	40.0	42.2	39.2
08:00 AM - 09:00 AM	41.9	49.7	40.7
09:00 AM - 10:00 AM	41.4	48.2	40.1
10:00 AM - 11:00 AM	41.8	49.4	40.1
11:00 AM - 12:00 PM	40.3	47.5	39.8
12:00 PM - 01:00 PM	40.1	42.0	39.5
01:00 PM - 02:00 AM	40.7	44.3	39.8
02:00 AM - 03:00 AM	39.9	44.2	39.0
03:00 AM - 04:00 AM	39.1	46.3	38.4
04:00 AM - 05:00 AM	38.4	41.1	37.7
05:00 AM - 06:00 AM	37.7	46.1	37.9
06:00 AM - 07:00 AM	40.1	47.8	37.9
07:00 AM - 08:00 AM	39.2	43.5	38.2
08:00 AM - 09:00 AM	39.0	45.1	38.0
09:00 AM - 10:00 AM	39.3	44.3	37.5
10:00 AM - 11:00 AM	37.9	42.5	37.0
11:00 AM - 12:00 PM	38.3	41.3	37.5
12:00 PM - 01:00 AM	40.1	46.6	37.7
01:00 AM - 02:00 AM	42.4	49.8	40.4
02:00 AM - 03:00 AM	42.4	49.5	39.8
03:00 AM - 04:00 AM	42.3	47.3	38.4
04:00 AM - 05:00 AM	44.7	48.4	42.3
05:00 AM - 06:00 AM	43.4	49.3	40.1
06:00 AM - 07:00 AM	42.5	46.3	40.3
07:00 AM - 08:00 AM	42.5	46.2	40.5
08:00 AM - 09:00 AM	42.6	46.8	40.1
09:00 AM - 10:00 AM	41.0	46.4	39.2
10:00 AM - 11:00 AM	39.8	47.8	37.4
11:00 AM - 12:00 PM	39.7	45.2	37.7
12:00 PM - 01:00 AM	39.3	44.5	37.8
01:00 AM - 02:00 AM	45.0	45.0	38.3
02:00 AM - 03:00 AM	39.1	46.8	37.4

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Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017276-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

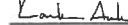
Sample No. 2454492-11
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:25 AM - 08:30 AM	39.9	46.0	37.9
08:30 AM - 09:35 AM	39.9	45.3	37.7
09:35 AM - 10:40 AM	41.9	45.6	39.0
10:40 AM - 01:45 AM	42.6	49.0	40.0
01:45 AM - 02:50 AM	43.8	51.3	40.1
02:50 AM - 03:55 AM	44.5	48.9	40.7
03:55 AM - 04:00 AM	44.1	48.6	42.1
04:00 AM - 04:05 AM	43.5	47.4	41.4
04:05 AM - 04:10 AM	43.2	46.2	40.2
04:10 AM - 04:15 AM	39.4	46.0	39.4
04:15 AM - 04:20 AM	39.8	46.0	37.8
04:20 AM - 04:25 AM	40.4	46.9	38.0
04:25 AM - 04:30 AM	41.5	44.0	38.0
04:30 AM - 04:35 AM	41.6	48.8	38.8
04:35 AM - 04:40 AM	40.8	47.3	39.2
04:40 AM - 04:45 AM	40.3	48.2	38.5
04:45 AM - 04:50 AM	40.0	48.3	38.4
04:50 AM - 04:55 AM	40.5	46.9	39.2
04:55 AM - 05:00 AM	41.3	50.3	39.9
05:00 AM - 05:05 AM	40.7	46.1	39.9
05:05 AM - 05:10 AM	32.0	48.3	40.9
05:10 AM - 05:15 AM	44.2	60.6	41.3
05:15 AM - 05:20 AM	41.6	57.1	41.6
05:20 AM - 05:25 AM	46.3	55.3	43.4
05:25 AM - 05:30 AM	46.4	57.3	43.3
05:30 AM - 05:35 AM	48.1	51.5	43.2
05:35 AM - 05:40 AM	45.3	51.3	41.3
05:40 AM - 05:45 AM	48.6	59.2	41.4
05:45 AM - 05:50 AM	46.0	57.7	41.5
05:50 AM - 05:55 AM	48.9	64.1	42.2
05:55 AM - 06:00 AM	45.1	59.0	39.8
06:00 AM - 07:00 AM	46.1	67.7	40.8

Reference Method :

- In house method : STM 06-001 based on ISO 1996-1 : 2016
- ปริมาณการปล่อยมลพิษจากโรงงานอุตสาหกรรมตามมาตรฐาน 24 ชั่วโมง โดยวัดค่าเฉลี่ยของระดับความดังเสียงที่ตำแหน่ง 24 ชั่วโมง

The above results are valid only for the stated test sample(s) as indicated in this report. No other test results or data may be used for any other purpose without written consent from the Laboratory. ALS Laboratory Group (Thailand) Ltd. is not responsible for the results of any other test results or data.

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

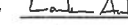
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-12
Parameter Noise
Location ห้วยน้ำขุ่น/ห้วยน้ำขุ่น (GPS 48Q 277629, 1888764) (หน้าวัด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	42.9	54.4	37.1
08:00 AM - 09:00 AM	44.1	61.0	36.5
09:00 AM - 10:00 AM	41.0	61.4	35.9
10:00 AM - 11:00 AM	40.1	59.3	35.1
11:00 AM - 12:00 PM	42.7	69.6	34.4
12:00 PM - 01:00 PM	39.4	59.7	34.2
01:00 PM - 02:00 PM	39.8	66.0	31.6
02:00 PM - 03:00 PM	39.3	65.1	34.7
03:00 PM - 04:00 PM	40.3	60.7	33.5
04:00 PM - 05:00 PM	41.0	62.5	34.8
05:00 PM - 06:00 PM	42.2	62.9	35.5
06:00 PM - 07:00 PM	41.2	62.7	37.5
07:00 PM - 08:00 PM	41.2	62.7	39.3
08:00 PM - 09:00 PM	41.0	58.5	38.7
09:00 PM - 10:00 PM	43.8	64.7	39.2
10:00 PM - 11:00 PM	37.6	40.3	36.5
11:00 PM - 12:00 AM	38.2	43.3	37.2
12:00 AM - 01:00 AM	40.1	45.1	38.7
01:00 PM - 02:00 PM	39.6	45.6	37.7
02:00 PM - 03:00 PM	39.1	41.7	38.1
03:00 PM - 04:00 PM	40.1	45.1	37.7
04:00 PM - 05:00 PM	39.7	42.2	38.7
05:00 PM - 06:00 PM	40.3	48.5	39.4
06:00 PM - 07:00 PM	40.5	49.9	39.5
07:00 PM - 08:00 PM	42.4	51.1	40.2
08:00 PM - 09:00 PM	41.0	47.0	39.8
09:00 PM - 10:00 PM	44.1	48.1	40.2
10:00 PM - 11:00 PM	42.7	46.7	40.7
11:00 PM - 12:00 AM	41.1	47.0	40.4
12:00 AM - 01:00 AM	41.3	46.2	40.2
01:00 AM - 02:00 AM	40.5	42.9	39.7
02:00 AM - 03:00 PM	40.5	40.5	39.5
03:00 PM - 04:00 AM	39.9	45.5	39.1
04:00 PM - 05:00 PM	40.2	45.3	39.7
05:00 PM - 06:00 PM	42.9	47.9	40.2
06:00 PM - 07:00 PM	40.4	47.0	39.5
07:00 PM - 08:00 AM	41.6	44.2	40.8
08:00 PM - 09:00 PM	41.6	41.9	41.0
09:00 PM - 10:00 AM	41.3	44.3	40.6
10:00 AM - 11:00 AM	41.5	48.2	40.6

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Approved by 
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Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : J017277-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	2454492-12
Parameter	Noise
Location	บึงกุ่มใกล้วัดบึงกุ่ม (GPS 48Q 277629, 1088764) (รถดับเพลิง) (Shut down)
Measurement Date	May 29 - 30, 2024
Measurement by	Sangtawan Natasat
Sound Level Meter	00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	41.2	43.7	40.8
12:10 AM - 12:15 AM	41.3	44.9	41.1
12:15 AM - 12:20 AM	40.8	46.0	40.1
12:20 AM - 12:25 AM	41.5	43.5	40.9
12:25 AM - 12:30 AM	42.3	47.9	41.6
12:30 AM - 12:35 AM	42.0	46.5	41.5
12:35 AM - 12:40 AM	41.7	47.0	40.7
12:40 AM - 12:45 AM	40.2	42.3	39.5
12:45 AM - 12:50 AM	40.4	36.9	39.3
12:50 AM - 12:55 AM	41.8	37.2	40.2
12:55 AM - 01:00 AM	41.2	30.2	40.2
01:00 AM - 01:05 AM	41.3	46.4	40.5
01:05 AM - 01:10 AM	42.0	55.3	40.7
01:10 AM - 01:15 AM	41.9	48.4	40.8
01:15 AM - 01:20 AM	41.4	48.1	40.7
01:20 AM - 01:25 AM	41.4	32.2	40.2
01:25 AM - 01:30 AM	39.5	43.8	38.9
01:30 AM - 01:35 AM	39.5	43.8	38.4
01:35 AM - 01:40 AM	37.9	44.1	38.0
01:40 AM - 01:45 AM	35.8	42.2	36.8
01:45 AM - 01:50 AM	37.2	42.0	36.7
01:50 AM - 01:55 AM	37.4	42.7	36.7
01:55 AM - 02:00 AM	38.9	43.8	38.0
02:00 AM - 02:05 AM	38.4	42.1	37.5
02:05 AM - 02:10 AM	38.8	44.3	37.9
02:10 AM - 02:15 AM	38.0	42.0	37.1
02:15 AM - 02:20 AM	37.5	39.3	36.9
02:20 AM - 02:25 AM	37.7	42.3	36.9
02:25 AM - 02:30 AM	37.7	43.2	36.8
02:30 AM - 02:35 AM	35.4	41.0	35.2
02:35 AM - 02:40 AM	36.5	40.2	35.6
02:40 AM - 02:45 AM	36.4	44.2	35.7
02:45 AM - 02:50 AM	37.3	42.0	36.2
02:50 AM - 02:55 AM	38.0	43.1	36.9
02:55 AM - 03:00 AM	37.5	42.4	36.9
03:00 AM - 03:05 AM	36.9	40.9	35.9
03:05 AM - 03:10 AM	37.1	42.1	36.2
03:10 AM - 03:15 AM	36.2	41.9	34.8
03:15 AM - 03:20 AM	36.5	44.0	34.8
03:20 AM - 03:25 AM	36.9	46.5	34.5

Approved by Carle Anek
Carle Anek
Senior Manager

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Life Sciences www.abglobal.com



Analysis / Test Report

Client : Kasetsart Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017277-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	2454432-12
Parameter	Noise
Location	บริเวณริมถนนบริเวณสวน (GPS 48Q 277629, 1088764) (จุดจอด) (Shut down)
Measurement Date	May 29 - 30, 2024
Measurement by	Singtawan Natasai
Sound Level Meter	00371917

Time	Laq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:25 AM - 07:30 AM	35.4	41.3	34.4
07:30 AM - 07:35 AM	35.2	39.4	34.4
07:35 AM - 07:40 AM	35.7	45.1	34.5
07:40 AM - 07:45 AM	35.5	41.5	34.5
07:45 AM - 07:50 AM	35.4	38.9	35.7
07:50 AM - 07:55 AM	36.3	41.0	35.4
07:55 AM - 08:00 AM	37.2	48.0	34.9
08:00 AM - 08:05 AM	36.7	41.3	35.0
08:05 AM - 08:10 AM	35.8	43.2	34.5
08:10 AM - 08:15 AM	35.5	45.0	34.5
08:15 AM - 08:20 AM	37.8	45.5	34.5
08:20 AM - 08:25 AM	39.2	42.0	34.6
08:25 AM - 08:30 AM	38.3	44.5	34.9
08:30 AM - 08:35 AM	37.8	46.5	34.5
08:35 AM - 08:40 AM	37.6	43.0	34.4
08:40 AM - 08:45 AM	38.9	43.9	35.1
08:45 AM - 08:50 AM	38.5	47.7	36.1
08:50 AM - 08:55 AM	37.8	41.6	35.2
08:55 AM - 09:00 AM	39.1	47.7	35.7
09:00 AM - 09:05 AM	50.1	66.5	36.7
09:05 AM - 09:10 AM	41.3	46.1	38.8
09:10 AM - 09:15 AM	44.9	56.7	41.1
09:15 AM - 09:20 AM	47.9	60.8	43.5
09:20 AM - 09:25 AM	48.4	64.2	42.3
09:25 AM - 09:30 AM	46.5	62.2	43.1
09:30 AM - 09:35 AM	47.0	58.5	43.5
09:35 AM - 09:40 AM	48.7	61.2	42.0
09:40 AM - 09:45 AM	45.8	57.5	42.4
09:45 AM - 09:50 AM	49.1	58.0	41.8
09:50 AM - 09:55 AM	43.2	54.2	38.9
09:55 AM - 06:00 AM	40.9	52.8	39.2
06:00 AM - 06:05 AM	41.3	56.2	38.7

Reference Method :
1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. ผู้ตรวจประเมินโรงงานและผลิตภัณฑ์ (เจ้า) ทรัพยากรทางเทคโนโลยีและนวัตกรรม สนับสนุนด้วย 24 ปีงาน และ : สนับสนุนด้วยผลิตภัณฑ์และการประเมินผลิตภัณฑ์โรงงาน พ.ศ. 2562

Approved by Kanokkorn Anek
Kanokkorn Anek
Senior Manager

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ALIS LABORATORIES GROUP (THAILAND) CO., LTD. An ALIS Limited Company

Life Sciences www.alsglobal.com



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
8 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017278-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	2454492-I3
Parameter	Noise
Location	บริเวณหมู่บ้านวัดกรก:สวน (GPS 48Q 277629, 1088764) (ชายฝั่ง) (Shut down)
Measurement Date	May 30 - 31, 2024
Measurement by	Sangtewan Natasat
Sound Level Meter	00171917

Time	Leq (dB(A))	Lmax (dB(A))	L50 (dB(A))
07:55 AM - 08:00 AM	41.7	55.4	37.3
08:05 AM - 09:00 AM	41.3	51.6	35.2
09:00 AM - 10:00 AM	43.4	75.5	47.1
10:00 AM - 11:00 AM	43.2	51.9	34.8
11:00 AM - 12:00 PM	41.5	54.8	34.4
12:00 PM - 01:00 PM	40.5	52.9	34.8
01:00 PM - 02:00 PM	41.3	63.5	34.4
02:00 PM - 03:00 PM	41.5	51.8	34.4
03:00 PM - 04:00 PM	41.4	66.3	33.6
04:00 PM - 05:00 PM	39.8	56.5	33.1
05:00 PM - 06:00 PM	41.9	62.7	35.3
06:00 PM - 07:00 PM	44.1	76.3	39.5
07:00 PM - 08:00 PM	43.9	64.4	42.4
08:00 PM - 09:00 PM	44.6	63.2	42.4
09:00 PM - 10:00 PM	43.8	55.5	42.4
10:00 PM - 10:55 PM	42.9	51.7	41.6
10:55 PM - 10:10 PM	42.5	42.1	40.8
10:10 PM - 10:15 PM	43.2	45.9	40.8
10:15 PM - 10:20 PM	42.2	50.3	41.3
10:20 PM - 10:25 PM	42.4	45.1	41.5
10:25 PM - 10:30 PM	42.5	46.5	41.9
10:30 PM - 10:35 PM	43.9	46.5	42.2
10:35 PM - 10:40 PM	41.4	32.6	42.0
10:40 PM - 10:45 PM	42.9	46.7	42.1
10:45 PM - 10:50 PM	42.7	44.7	42.4
10:50 PM - 10:55 PM	41.4	47.4	39.8
10:55 PM - 11:00 PM	40.5	43.9	40.1
11:00 PM - 11:05 PM	41.1	46.5	40.1
11:05 PM - 11:10 PM	41.9	52.6	37.7
11:10 PM - 11:15 PM	41.5	47.1	40.7
11:15 PM - 11:20 PM	41.6	51.1	40.9
11:20 PM - 11:25 PM	40.6	33.5	36.1
11:25 PM - 11:30 PM	40.5	49.2	35.8
11:30 PM - 11:35 PM	42.0	57.7	38.9
11:35 PM - 11:40 PM	42.1	55.0	39.6
11:40 PM - 11:45 PM	40.8	56.1	39.6
11:45 PM - 11:50 PM	41.4	43.1	37.9
11:50 PM - 11:55 PM	41.1	42.8	33.8
11:55 PM - 12:00 AM	42.6	49.4	40.1
12:00 AM - 12:05 AM	41.9	46.1	42.4

Approved by Kanokorn Anek
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumbhawang, Udon Thani Thailand 41320

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017278-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No.	2454492-13
Parameter	None
Location	สุพรรณบุรี (สุพรรณภูมิ) (GPS 48Q 277629, 1888764) (จางวันถั่ง) (Shin down)
Measurement Date	May 30 - 31, 2024
Measurement by	Sangtawan Nakasat
Sound Level Meter	M171917

Time	Leq (dB(A))	Lmax (dB(A))	L50 (dB(A))
12:01 AM - 12:15 AM	41.8	44.3	42.3
12:16 AM - 12:30 AM	41.9	46.9	42.4
12:31 AM - 12:45 AM	42.1	47.7	43.0
12:46 AM - 12:59 AM	41.6	48.1	43.9
12:59 AM - 12:31 AM	41.6	43.0	41.0
12:32 AM - 12:35 AM	42.1	45.3	41.2
12:35 AM - 12:43 AM	42.1	45.4	41.4
12:43 AM - 12:45 AM	41.2	43.7	41.2
12:45 AM - 12:50 AM	42.9	55.2	40.4
12:50 AM - 12:55 AM	41.8	44.4	41.1
1:55 AM - 01:00 AM	42.3	46.7	42.1
01:00 AM - 01:05 AM	41.4	47.6	42.4
01:05 AM - 01:10 AM	42.1	47.5	41.7
01:10 AM - 01:15 AM	43.1	48.0	42.1
01:15 AM - 01:20 AM	42.9	53.3	42.5
01:20 AM - 01:25 AM	41.6	47.5	42.5
01:25 AM - 01:30 AM	42.8	46.2	43.1
01:30 AM - 01:35 AM	42.5	46.4	42.5
01:35 AM - 01:40 AM	42.8	47.2	42.5
01:40 AM - 01:45 AM	44.5	48.7	42.1
01:45 AM - 01:50 AM	42.0	45.1	40.4
01:50 AM - 01:55 AM	41.1	45.0	40.6
01:55 AM - 02:00 AM	41.6	44.8	41.2
02:00 AM - 02:05 AM	42.7	47.6	42.0
02:05 AM - 02:10 AM	42.0	45.0	42.5
02:10 AM - 02:15 AM	42.3	48.3	42.7
02:15 AM - 02:20 AM	42.8	47.3	42.7
02:20 AM - 02:25 AM	43.1	44.9	42.5
02:25 AM - 02:30 AM	43.1	45.7	42.3
02:30 AM - 02:35 AM	42.7	44.2	42.2
02:35 AM - 02:40 AM	41.2	44.9	39.5
02:40 AM - 02:45 AM	37.8	42.2	37.2
02:45 AM - 02:50 AM	37.7	45.5	37.0
02:50 AM - 02:55 AM	39.8	45.3	38.7
02:55 AM - 03:00 AM	39.1	42.5	38.5
03:00 AM - 03:05 AM	39.1	42.9	38.1
03:05 AM - 03:10 AM	39.5	46.4	38.7
03:10 AM - 03:15 AM	38.7	46.3	39.0
03:15 AM - 03:20 AM	40.7	48.3	39.1
03:20 AM - 03:25 AM	39.1	41.4	38.7

Approved by Jonathan Ansh
Jonathan Ansh

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Life Sciences www.alsglobal.com



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017278-1

P/O : 421000572
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location : Sangtawan Natasat

Page 2 of 3

Sample No. 2454492-13
Parameter Noise
Location โรงไฟฟ้าผลิตน้ำตาลทราย (GPS 48Q 277629, 1888764) (วัดหน้า) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:50 AM	39.9	48.9	38.8
03:50 AM - 03:55 AM	39.4	44.0	38.6
03:55 AM - 04:00 AM	42.8	55.1	39.8
04:00 AM - 04:05 AM	38.8	50.1	37.4
04:05 AM - 04:10 AM	38.8	43.5	37.7
04:10 AM - 04:15 AM	38.2	43.6	37.5
04:15 AM - 04:20 AM	37.6	42.7	37.8
04:20 AM - 04:25 AM	38.7	43.7	37.9
04:25 AM - 04:30 AM	37.6	44.0	37.3
04:30 AM - 04:35 AM	37.6	46.3	35.5
04:35 AM - 04:40 AM	37.9	42.7	36.7
04:40 AM - 04:45 AM	38.2	43.7	36.5
04:45 AM - 04:50 AM	37.8	42.9	36.5
04:50 AM - 04:55 AM	38.2	43.3	35.6
04:55 AM - 05:00 AM	36.7	41.8	35.3
05:00 AM - 05:05 AM	36.8	40.3	35.3
05:05 AM - 05:10 AM	37.0	44.5	35.2
05:10 AM - 05:15 AM	37.5	44.5	34.9
05:15 AM - 05:20 AM	37.9	44.9	35.3
05:20 AM - 05:25 AM	38.1	46.5	35.5
05:25 AM - 05:30 AM	38.8	46.5	35.9
05:30 AM - 05:35 AM	40.3	56.6	37.1
05:35 AM - 05:40 AM	39.8	49.5	37.6
05:40 AM - 05:45 AM	42.5	64.7	38.0
05:45 AM - 05:50 AM	43.8	55.9	38.9
05:50 AM - 05:55 AM	43.8	51.2	39.7
05:55 AM - 06:00 AM	46.0	59.2	41.1
06:00 AM - 07:00 AM	46.6	76.8	41.2

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ประมาณการเสียงจากแหล่งกำเนิด : ใช้วิธีการประมาณการเสียงจากแหล่งกำเนิดตาม 24 ชั่วโมง ตามวิธีประมาณการเสียงจากแหล่งกำเนิดตาม ม.ร. 2567

Approved by

Kanokorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017279-1

P/O : 421000572
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location : Sangtawan Natasat

Page 2 of 3

Sample No. 2454492-14
Parameter Noise
Location โรงไฟฟ้าผลิตน้ำตาลทราย (GPS 48Q 277629, 1888764) (วัดหน้า) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:50 AM - 08:00 AM	46.3	61.9	39.3
08:00 AM - 08:05 AM	42.9	63.5	37.9
08:05 AM - 08:10 AM	42.2	59.7	36.6
08:10 AM - 08:15 AM	44.4	61.6	41.5
08:15 AM - 08:20 AM	43.2	60.8	35.5
08:20 AM - 08:25 AM	41.3	63.8	35.0
08:25 AM - 08:30 AM	45.7	75.9	37.1
08:30 AM - 08:35 AM	42.3	63.7	39.8
08:35 AM - 08:40 AM	42.9	74.7	40.8
08:40 AM - 08:45 AM	46.2	65.2	42.2
08:45 AM - 08:50 AM	43.4	70.9	41.1
08:50 AM - 08:55 AM	44.4	64.4	40.8
08:55 AM - 09:00 AM	40.1	62.4	41.9
09:00 AM - 09:05 AM	42.4	65.8	41.4
09:05 AM - 09:10 AM	42.3	65.2	41.4
09:10 AM - 09:15 AM	40.9	64.0	40.6
09:15 AM - 09:20 AM	41.8	68.9	40.8
09:20 AM - 09:25 AM	42.1	67.5	40.8
09:25 AM - 09:30 AM	41.8	64.6	40.8
09:30 AM - 09:35 AM	42.1	65.2	40.5
09:35 AM - 09:40 AM	41.9	66.2	41.2
09:40 AM - 09:45 AM	42.2	64.6	42.1
09:45 AM - 09:50 AM	42.3	65.1	40.3
09:50 AM - 09:55 AM	41.4	63.3	40.3
09:55 AM - 10:00 AM	41.4	64.9	40.5
10:00 AM - 10:05 AM	41.4	63.3	40.3
10:05 AM - 10:10 AM	41.4	64.9	40.5
10:10 AM - 10:15 AM	41.4	63.3	40.3
10:15 AM - 10:20 AM	41.4	64.9	40.5
10:20 AM - 10:25 AM	41.4	63.3	40.3
10:25 AM - 10:30 AM	41.4	64.9	40.5
10:30 AM - 10:35 AM	41.4	63.3	40.3
10:35 AM - 10:40 AM	41.4	64.9	40.5
10:40 AM - 10:45 AM	41.4	63.3	40.3
10:45 AM - 10:50 AM	41.4	64.9	40.5
10:50 AM - 10:55 AM	41.4	63.3	40.3
10:55 AM - 11:00 AM	41.4	64.9	40.5
11:00 AM - 11:05 AM	41.4	63.3	40.3
11:05 AM - 11:10 AM	41.4	64.9	40.5
11:10 AM - 11:15 AM	41.4	63.3	40.3
11:15 AM - 11:20 AM	41.4	64.9	40.5
11:20 AM - 11:25 AM	41.4	63.3	40.3
11:25 AM - 11:30 AM	41.4	64.9	40.5
11:30 AM - 11:35 AM	41.4	63.3	40.3
11:35 AM - 11:40 AM	41.4	64.9	40.5
11:40 AM - 11:45 AM	41.4	63.3	40.3
11:45 AM - 11:50 AM	41.4	64.9	40.5
11:50 AM - 11:55 AM	41.4	63.3	40.3
11:55 AM - 12:00 AM	41.4	64.9	40.5
12:00 AM - 12:05 AM	41.4	63.3	40.3
12:05 AM - 12:10 AM	41.4	64.9	40.5

Approved by

Kanokorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017279-1

P/O : 421000572
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location : Sangtawan Natasat

Page 2 of 3

Sample No. 2454492-14
Parameter Noise
Location โรงไฟฟ้าผลิตน้ำตาลทราย (GPS 48Q 277629, 1888764) (วัดหน้า) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	42.0	45.0	40.7
12:10 AM - 12:15 AM	42.3	45.1	41.5
12:15 AM - 12:20 AM	42.8	46.4	42.4
12:20 AM - 12:25 AM	45.0	48.2	43.2
12:25 AM - 12:30 AM	46.3	49.8	45.2
12:30 AM - 12:35 AM	45.6	49.2	44.4
12:35 AM - 12:40 AM	45.5	49.4	44.1
12:40 AM - 12:45 AM	43.5	51.9	42.2
12:45 AM - 12:50 AM	43.8	48.8	42.5
12:50 AM - 12:55 AM	42.0	47.2	42.0
12:55 AM - 01:00 AM	42.1	45.8	42.3
01:00 AM - 01:05 AM	43.2	45.8	42.6
01:05 AM - 01:10 AM	43.1	45.0	42.5
01:10 AM - 01:15 AM	42.9	47.1	41.6
01:15 AM - 01:20 AM	42.5	47.1	41.0
01:20 AM - 01:25 AM	41.2	44.2	40.7
01:25 AM - 01:30 AM	42.5	45.0	40.3
01:30 AM - 01:35 AM	42.8	46.8	41.2
01:35 AM - 01:40 AM	43.2	49.5	42.5
01:40 AM - 01:45 AM	42.2	46.1	42.5
01:45 AM - 01:50 AM	42.7	45.5	42.0
01:50 AM - 01:55 AM	42.8	46.1	42.3
01:55 AM - 02:00 AM	41.7	44.5	40.3
02:00 AM - 02:05 AM	40.2	44.3	40.3
02:05 AM - 02:10 AM	40.5	45.2	39.5
02:10 AM - 02:15 AM	41.1	45.8	39.8
02:15 AM - 02:20 AM	41.1	45.0	39.9
02:20 AM - 02:25 AM	40.3	44.1	39.3
02:25 AM - 02:30 AM	40.0	43.5	38.6
02:30 AM - 02:35 AM	39.2	40.1	38.7
02:35 AM - 02:40 AM	39.2	42.2	37.8
02:40 AM - 02:45 AM	39.2	45.7	37.3
02:45 AM - 02:50 AM	38.8	42.2	38.1
02:50 AM - 02:55 AM	38.9	43.1	38.1
02:55 AM - 03:00 AM	38.9	42.3	38.3
03:00 AM - 03:05 AM	39.5	43.7	38.7
03:05 AM - 03:10 AM	39.9	45.5	38.8
03:10 AM - 03:15 AM	39.9	45.0	38.9
03:15 AM - 03:20 AM	39.4	46.5	37.7
03:20 AM - 03:25 AM	39.7	43.2	38.3

Approved by

Kanokorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017279-1

P/O : 421000572
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location : Sangtawan Natasat

Page 2 of 3

Sample No. 2454492-14
Parameter Noise
Location โรงไฟฟ้าผลิตน้ำตาลทราย (GPS 48Q 277629, 1888764) (วัดหน้า) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 00371917

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	39.2	43.7	38.3
03:30 AM - 03:35 AM	39.2	42.5	38.1
03:35 AM - 03:40 AM	38.8	45.2	38.2
03:40 AM - 03:45 AM	39.4	44.0	38.3
03:45 AM - 03:50 AM	39.4	44.1	38.5
03:50 AM - 03:55 AM	39.7	43.9	38.8
03:55 AM - 04:00 AM	39.2	42.7	38.3
04:00 AM - 04:05 AM	39.7	45.6	38.9
04:05 AM - 04:10 AM	39.7	45.5	39.0
04:10 AM - 04:15 AM	39.8	43.8	39.0
04:15 AM - 04:20 AM	40.7	48.9	39.4
04:20 AM - 04:25 AM	39.7	42.6	39.3
04:25 AM - 04:30 AM	39.1	46.2	37.7
04:30 AM - 04:35 AM	39.1	47.8	37.8
04:35 AM - 04:40 AM	38.4	47.4	36.9
04:40 AM - 04:45 AM	38.3	46.6	36.9
04:45 AM - 04:50 AM	37.7	43.4	36.4
04:50 AM - 04:55 AM	37.7	45.1	36.4
04:55 AM - 05:00 AM	37.7	43.4	36.6
05:00 AM - 05:05 AM	37.7	46.4	37.0
05:05 AM - 05:10 AM	37.4	44.0	36.1
05:10 AM - 05:15 AM	37.2	43.8	35.7
05:15 AM - 05:20 AM	37.2	45.2	35.5
05:20 AM - 05:25 AM	37.2	46.1	35.8
05:25 AM - 05:30 AM	38.2	47.4	37.4
05:30 AM - 05:35 AM	43.3	59.8	37.8
05:35 AM - 05:40 AM	41.1	45.8	37.8
05:40 AM - 05:45 AM	41.2	45.9	37.9
05:45 AM - 05:50 AM	49.1	71.2	41.7
05:50 AM - 05:55 AM	49.4	56.0	40.5
05:55 AM - 06:00 AM	47.2	69.5	40.3

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ประมาณการเสียงจากแหล่งกำเนิด : ใช้วิธีการประมาณการเสียงจากแหล่งกำเนิดตาม 24 ชั่วโมง ตามวิธีประมาณการเสียงจากแหล่งกำเนิดตาม ม.ร. 2567

Approved by

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017280-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454492-15
Parameter : Noise
Location : Tsai/สุววิทยาสาร (GPS 48Q 279854, 1889320) (หน้าวัด) (Shd. down)
Measurement Date : May 25 - 26, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	49.2	57.0	44.3
10:00 AM - 11:00 AM	49.4	58.0	44.3
11:00 AM - 12:00 PM	47.9	55.4	43.3
12:00 PM - 01:00 PM	46.3	54.1	42.3
01:00 PM - 02:00 PM	45.9	54.4	42.3
02:00 PM - 03:00 PM	45.3	53.3	41.3
03:00 PM - 04:00 PM	50.7	70.7	47.0
04:00 PM - 05:00 PM	51.9	74.3	46.1
05:00 PM - 06:00 PM	52.0	72.0	47.2
06:00 PM - 07:00 PM	52.1	70.7	46.3
07:00 PM - 08:00 PM	48.9	70.3	46.2
08:00 PM - 09:00 PM	50.7	72.3	47.0
09:00 PM - 10:00 PM	48.7	65.5	46.2
10:00 PM - 10:45 PM	46.0	51.3	42.7
10:45 PM - 10:55 PM	45.5	51.4	42.9
10:55 PM - 11:05 PM	46.1	51.6	42.9
11:05 PM - 11:15 PM	47.2	53.2	43.7
11:15 PM - 11:25 PM	48.0	54.4	44.9
11:25 PM - 11:35 PM	47.8	56.0	44.3
11:35 PM - 11:45 PM	46.4	58.1	44.1
11:45 PM - 11:55 PM	45.3	52.9	42.1
11:55 PM - 12:05 PM	44.7	51.4	42.7
12:05 PM - 12:15 PM	45.8	53.8	43.6
12:15 PM - 12:25 PM	45.3	51.6	42.5
12:25 PM - 12:35 PM	44.9	50.9	40.8
12:35 PM - 12:45 PM	45.3	56.3	41.8
12:45 PM - 12:55 PM	42.9	49.9	40.5
12:55 PM - 1:05 PM	42.4	49.4	39.6
1:05 PM - 1:15 PM	42.8	51.2	37.9
1:15 PM - 1:25 PM	43.9	54.0	39.3
1:25 PM - 1:35 PM	42.8	57.1	38.1
1:35 PM - 1:45 PM	46.2	63.5	44.2
1:45 PM - 1:55 PM	47.7	62.0	43.7
1:55 PM - 2:05 PM	47.2	59.9	42.9
2:05 PM - 2:15 PM	47.2	58.3	41.8
2:15 PM - 2:25 PM	42.9	49.9	40.5
2:25 PM - 2:35 PM	42.4	49.4	39.6
2:35 PM - 2:45 PM	42.8	51.2	37.9
2:45 PM - 2:55 PM	43.9	54.0	39.3
2:55 PM - 3:05 PM	42.8	57.1	38.1
3:05 PM - 3:15 PM	46.2	63.5	44.2
3:15 PM - 3:25 PM	47.7	62.0	43.7
3:25 PM - 3:35 PM	47.2	59.9	42.9
3:35 PM - 3:45 PM	47.2	58.3	41.8
3:45 PM - 3:55 PM	42.9	49.9	40.5
3:55 PM - 4:05 PM	42.4	49.4	39.6
4:05 PM - 4:15 PM	42.8	51.2	37.9
4:15 PM - 4:25 PM	43.9	54.0	39.3
4:25 PM - 4:35 PM	42.8	57.1	38.1
4:35 PM - 4:45 PM	46.2	63.5	44.2
4:45 PM - 4:55 PM	47.7	62.0	43.7
4:55 PM - 5:05 PM	47.2	59.9	42.9
5:05 PM - 5:15 PM	47.2	58.3	41.8
5:15 PM - 5:25 PM	42.9	49.9	40.5
5:25 PM - 5:35 PM	42.4	49.4	39.6
5:35 PM - 5:45 PM	42.8	51.2	37.9
5:45 PM - 5:55 PM	43.9	54.0	39.3
5:55 PM - 6:05 PM	42.8	57.1	38.1
6:05 PM - 6:15 PM	46.2	63.5	44.2
6:15 PM - 6:25 PM	47.7	62.0	43.7
6:25 PM - 6:35 PM	47.2	59.9	42.9
6:35 PM - 6:45 PM	47.2	58.3	41.8
6:45 PM - 6:55 PM	42.9	49.9	40.5
6:55 PM - 7:05 PM	42.4	49.4	39.6
7:05 PM - 7:15 PM	42.8	51.2	37.9
7:15 PM - 7:25 PM	43.9	54.0	39.3
7:25 PM - 7:35 PM	42.8	57.1	38.1
7:35 PM - 7:45 PM	46.2	63.5	44.2
7:45 PM - 7:55 PM	47.7	62.0	43.7
7:55 PM - 8:05 PM	47.2	59.9	42.9
8:05 PM - 8:15 PM	47.2	58.3	41.8
8:15 PM - 8:25 PM	42.9	49.9	40.5
8:25 PM - 8:35 PM	42.4	49.4	39.6
8:35 PM - 8:45 PM	42.8	51.2	37.9
8:45 PM - 8:55 PM	43.9	54.0	39.3
8:55 PM - 9:05 PM	42.8	57.1	38.1
9:05 PM - 9:15 PM	46.2	63.5	44.2
9:15 PM - 9:25 PM	47.7	62.0	43.7
9:25 PM - 9:35 PM	47.2	59.9	42.9
9:35 PM - 9:45 PM	47.2	58.3	41.8
9:45 PM - 9:55 PM	42.9	49.9	40.5
9:55 PM - 10:05 PM	42.4	49.4	39.6
10:05 PM - 10:15 PM	42.8	51.2	37.9
10:15 PM - 10:25 PM	43.9	54.0	39.3
10:25 PM - 10:35 PM	42.8	57.1	38.1
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11:45 PM - 11:55 PM	43.9	54.0	39.3
11:55 PM - 12:05 PM	42.8	57.1	38.1
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7:55 PM - 8:05 PM	47.2	59.9	42.9
8:05 PM - 8:15 PM	47.2	58.3	41.8
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8:25 PM - 8:35 PM	42.4	49.4	39.6
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3:35 PM - 3:45 PM	47.2	58.3	41.8
3:45 PM - 3:55 PM	42.9	49.9	40.5
3:55 PM - 4:05 PM	42.4	49.4	39.6
4:05 PM - 4:15 PM	42.8	51.2	37.9
4:15 PM - 4:25 PM	43.9	54.0	39.3
4:25 PM - 4:35 PM	42.8	57.1	38.1
4:35 PM - 4:45 PM	46.2	63.5	44.2
4:45 PM - 4:55 PM	47.7	62.0	43.7
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5:35 PM - 5:45 PM	42.8	51.2	37.9
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6:15 PM - 6:25 PM	47.7	62.0	43.7
6:25 PM - 6:35 PM	47.2	59.9	42.9
6:35 PM - 6:45 PM	47.2	58.3	41.8
6:45 PM - 6:55 PM	42.9	49.9	40.5
6:55 PM - 7:05 PM	42.4	49.4	39.6
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7:35 PM - 7:45 PM	46.2	63.5	44.2
7:45 PM - 7:55 PM	47.7	62.0	43.7
7:55 PM - 8:05 PM	47.2	59.9	42.9
8:05 PM - 8:15 PM	47.2	58.3	41.8
8:15 PM - 8:25 PM	42.9	49.9	40.5
8:25 PM - 8:35 PM	42.4	49.4	39.6
8:35 PM - 8:45 PM	42.8	51.2	37.9
8:45 PM - 8:55 PM	43.9	54.0	39.3
8:55 PM - 9:05 PM	42.8	57.1	38.1
9:05 PM - 9:15 PM	46.2	63.5	44.2
9:15 PM - 9:25 PM	47.7	62.0	43.7
9:25 PM - 9:35 PM	47.2	59.9	42.9
9:35 PM - 9:45 PM	47.2	58.3	41.8
9:45 PM - 9:55 PM	42.9	49.9	40.5
9:55 PM - 10:05 PM	42.4	49.4	39.6
10:05 PM - 10:15 PM	42.8	51.2	37.9
10:15 PM - 10:25 PM	43.9	54.0	39.3
10:25 PM - 10:35 PM	42.8	57.1	38.1
10:35 PM - 10:45 PM	46.2	63.5	44.2
10:45 PM - 10:55 PM	47.7	62.0	43.7
10:55 PM - 11:05 PM	47.2	59.9	42.9
11:05 PM - 11:15 PM	47.2	58.3	41.8
11:15 PM - 11:25 PM	42.9	49.9	40.5
11:25 PM - 11:35 PM	42.4	49.4	39.6
11:35 PM - 11:45 PM	42.8	51.2	37.9
11:45 PM - 11:55 PM	43.9	54.0	39.3
11:55 PM - 12:05 PM	42.8	57.1	38.1
12:05 PM - 12:15 PM	46.2	63.5	44.2
12:15 PM - 12:25 PM	47.7	62.0	43.7
12:25 PM - 12:35 PM	47.2	59.9	42.9
12:35 PM - 12:45 PM	47.2	58.3	41.8
12:45 PM - 12:55 PM	42.9	49.9	40.5
12:55 PM - 1:05 PM	42.4	49.4	39.



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No. : 3017281-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

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Sample No. 2454492-16
Parameter Noise
Location ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sanglanwan Naitat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	46.7	54.5	42.9
12:20 AM - 12:25 AM	45.2	51.5	43.2
12:25 AM - 12:30 AM	44.5	49.0	43.3
12:30 AM - 12:35 AM	48.1	54.1	46.0
12:35 AM - 12:40 AM	45.0	50.7	41.3
12:40 AM - 12:45 AM	45.0	51.7	43.8
12:45 AM - 12:50 AM	45.8	62.8	40.4
12:50 AM - 12:55 AM	43.0	56.3	39.1
12:55 AM - 01:00 AM	42.6	49.1	40.0
01:00 AM - 01:05 AM	43.4	50.8	40.9
01:05 AM - 01:10 AM	43.2	48.8	44.5
01:10 AM - 01:15 AM	41.2	49.7	41.2
01:15 AM - 01:20 AM	43.0	53.8	42.3
01:20 AM - 01:25 AM	43.9	51.6	40.8
01:25 AM - 01:30 AM	43.1	51.2	39.8
01:30 AM - 01:35 AM	43.6	52.4	41.5
01:35 AM - 01:40 AM	43.4	49.7	41.3
01:40 AM - 01:45 AM	50.0	56.1	42.2
01:45 AM - 01:50 AM	48.8	62.4	43.1
01:50 AM - 01:55 AM	49.2	52.7	43.0
01:55 AM - 02:00 AM	49.6	51.9	42.8
02:00 AM - 02:05 AM	44.4	52.0	41.4
02:05 AM - 02:10 AM	46.1	54.4	42.1
02:10 AM - 02:15 AM	46.0	56.9	40.5
02:15 AM - 02:20 AM	45.7	60.5	41.1
02:20 AM - 02:25 AM	44.3	49.4	42.5
02:25 AM - 02:30 AM	47.3	60.0	44.1
02:30 AM - 02:35 AM	45.5	54.5	43.8
02:35 AM - 02:40 AM	41.8	52.6	40.9
02:40 AM - 02:45 AM	45.6	54.5	42.5
02:45 AM - 02:50 AM	43.7	51.6	40.2
02:50 AM - 02:55 AM	43.1	51.9	42.1
02:55 AM - 03:00 AM	43.5	49.5	40.4
03:00 AM - 03:05 AM	47.4	54.9	42.9
03:05 AM - 03:10 AM	47.3	55.2	41.8
03:10 AM - 03:15 AM	43.0	55.5	43.0
03:15 AM - 03:20 AM	46.4	57.6	42.7
03:20 AM - 03:25 AM	46.6	57.0	42.1
03:25 AM - 03:30 AM	46.0	52.3	42.7
03:30 AM - 03:35 AM	44.8	52.6	40.1

The data results are valid only for the specified test period as indicated in this report. The data may not be representative of the noise level in any form other than as shown. The data is for information only and is not intended to be used for any purpose other than as shown. The data is for information only and is not intended to be used for any purpose other than as shown.

Approved by

Kasikorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No. : 3017281-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

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Sample No. 2454492-16
Parameter Noise
Location ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sanglanwan Naitat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	44.1	53.2	41.6
03:40 AM - 03:45 AM	43.9	55.8	39.5
03:45 AM - 03:50 AM	42.6	54.6	37.4
03:50 AM - 03:55 AM	43.4	52.4	39.5
03:55 AM - 04:00 AM	42.7	49.0	37.9
04:00 AM - 04:05 AM	42.3	50.3	39.1
04:05 AM - 04:10 AM	43.1	49.2	40.1
04:10 AM - 04:15 AM	42.5	54.7	39.1
04:15 AM - 04:20 AM	44.9	51.0	40.4
04:20 AM - 04:25 AM	44.4	53.2	41.9
04:25 AM - 04:30 AM	44.1	50.4	40.2
04:30 AM - 04:35 AM	44.8	51.1	42.4
04:35 AM - 04:40 AM	44.3	51.8	40.1
04:40 AM - 04:45 AM	44.6	51.4	41.1
04:45 AM - 04:50 AM	44.4	50.9	40.0
04:50 AM - 04:55 AM	44.6	51.1	40.8
04:55 AM - 05:00 AM	46.7	53.6	42.9
05:00 AM - 05:05 AM	47.3	53.0	43.8
05:05 AM - 05:10 AM	53.3	58.3	52.7
05:10 AM - 05:15 AM	51.5	59.3	45.0
05:15 AM - 05:20 AM	53.2	58.2	43.8
05:20 AM - 05:25 AM	51.8	64.2	46.1
05:25 AM - 05:30 AM	58.2	71.0	46.3
05:30 AM - 05:35 AM	53.8	70.7	47.1
05:35 AM - 05:40 AM	57.4	70.5	45.8
05:40 AM - 05:45 AM	49.5	65.4	46.3
05:45 AM - 05:50 AM	56.6	70.8	47.8
05:50 AM - 05:55 AM	57.0	70.6	47.5
05:55 AM - 06:00 AM	59.2	66.1	47.5
06:00 AM - 06:05 AM	51.7	70.3	47.1
06:05 AM - 06:10 AM	51.8	71.1	47.2
06:10 AM - 06:15 AM	53.3	67.7	46.0

Reference Method :

- In-house method : STM 04-001 based on ISO 1996-1 : 2016
- ตามมาตรฐานวิธีตรวจวัดเสียง (สำหรับโรงงานอุตสาหกรรม) ของกรมส่งเสริมการค้าระหว่างประเทศ กระทรวงพาณิชย์ พ.ศ. 2567

The data results are valid only for the specified test period as indicated in this report. The data may not be representative of the noise level in any form other than as shown. The data is for information only and is not intended to be used for any purpose other than as shown. The data is for information only and is not intended to be used for any purpose other than as shown.

Approved by

Kasikorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No. : 3017281-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454492-17
Parameter Noise
Location ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (Shut down)
Measurement Date May 27 - 28, 2024
Measurement by Sanglanwan Naitat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	49.3	69.5	44.3
10:00 AM - 11:00 AM	49.3	75.6	43.0
11:00 AM - 12:00 PM	51.1	76.5	46.9
12:00 PM - 01:00 PM	54.1	74.8	45.8
01:00 PM - 02:00 PM	53.0	67.5	49.4
02:00 PM - 03:00 PM	49.3	69.8	45.8
03:00 PM - 04:00 PM	51.8	76.2	43.8
04:00 PM - 05:00 PM	50.9	70.5	46.7
05:00 PM - 06:00 PM	50.9	71.6	46.1
06:00 PM - 07:00 PM	57.3	78.6	53.2
07:00 PM - 08:00 PM	47.7	57.9	43.2
08:00 PM - 09:00 PM	48.5	58.6	46.3
09:00 PM - 10:00 PM	48.6	66.2	46.5
10:00 PM - 10:15 PM	47.1	63.0	44.2
10:15 PM - 10:30 PM	46.5	59.9	44.8
10:30 PM - 10:45 PM	45.2	49.9	43.5
10:45 PM - 10:55 PM	47.3	54.7	44.3
10:55 PM - 11:05 PM	46.5	50.9	44.8
11:05 PM - 11:20 PM	47.2	60.5	43.4
11:20 PM - 11:35 PM	47.2	60.5	43.4
11:35 PM - 11:50 PM	47.6	58.0	44.7
11:50 PM - 11:55 PM	48.5	61.1	45.5
11:55 PM - 12:05 AM	47.5	57.2	43.6
12:05 AM - 11:10 PM	47.3	58.1	44.9
11:10 PM - 11:15 PM	46.9	58.5	43.3
11:15 PM - 11:25 PM	46.3	55.6	41.8
11:25 PM - 11:35 PM	46.9	54.5	41.2
11:35 PM - 11:40 PM	47.7	59.5	42.8
11:40 PM - 11:45 PM	48.1	57.2	40.5
11:45 PM - 11:50 PM	46.8	54.4	41.6
11:50 PM - 11:55 PM	47.8	58.0	44.2
11:55 PM - 12:00 AM	48.9	62.3	45.5
12:00 AM - 12:05 AM	54.3	54.3	46.6
12:05 AM - 12:10 AM	47.2	55.8	43.5
12:10 AM - 12:15 AM	47.6	55.4	43.4
12:15 AM - 12:20 AM	47.6	55.4	43.4



Sample No.	2454492-17
Parameter	Noise
Location	Tratun/ນៃវ៉ាណូ (GPS 48Q 279854, 1889120) (ရပ်ကွက်) (Shut down)
Measurement Date	May 27 - 28, 2024
Measurement by	Sangwan Lisawat
Sound Level Meter	00472124

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Time	Leq (dB(A))	Lmax (dB(A))	L50 (dB(A))
03:35 AM - 03:40 AM	42.4	52.5	41.3
03:40 AM - 03:45 AM	45.5	50.3	42.6
03:45 AM - 03:50 AM	43.7	54.2	42.7
03:50 AM - 03:55 AM	41.2	50.2	41.2
03:55 AM - 04:00 AM	43.9	53.0	43.2
04:00 AM - 04:05 AM	42.4	54.2	42.2
04:05 AM - 04:10 AM	46.6	54.5	44.2
04:10 AM - 04:15 AM	47.3	55.1	44.5
04:15 AM - 04:20 AM	45.7	51.3	42.6
04:20 AM - 04:25 AM	44.3	53.5	40.1
04:25 AM - 04:30 AM	43.1	48.9	39.0
04:30 AM - 04:35 AM	42.7	53.7	36.9
04:35 AM - 04:40 AM	46.1	56.6	41.1
04:40 AM - 04:45 AM	44.3	54.6	39.7
04:45 AM - 04:50 AM	45.4	55.5	38.8
04:50 AM - 04:55 AM	44.4	64.2	42.1
04:55 AM - 05:00 AM	48.9	52.0	41.0
05:00 AM - 05:05 AM	47.4	54.9	41.4
05:05 AM - 05:10 AM	42.1	57.0	43.5
05:10 AM - 05:15 AM	46.9	53.2	44.4
05:15 AM - 05:20 AM	54.2	61.9	49.1
05:20 AM - 05:25 AM	56.9	59.8	48.1
05:25 AM - 05:30 AM	49.1	58.2	46.3
05:30 AM - 05:35 AM	49.8	60.6	44.7
05:35 AM - 05:40 AM	52.7	61.6	44.8
05:40 AM - 05:45 AM	47.5	54.9	44.4
05:45 AM - 05:50 AM	53.1	66.9	49.1
05:50 AM - 05:55 AM	53.0	67.0	46.1
05:55 AM - 06:00 AM	48.7	60.8	49.0
06:00 AM - 07:00 AM	50.1	68.8	46.8
07:00 AM - 08:00 AM	53.2	81.4	46.5
08:00 AM - 09:00 AM	51.8	71.8	43.2

Reference Method :

1. In-house method : STM 06-001 based on ISO 9996-1 : 2016

Approved by _____

Kandikorn Anek
Senior Manager

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Sample No.	245449Z-10
Parameter	Noise
Location	Tsulin/Tsulinuon (GPS 40Q 279654, 1889320) (วัดใหม่) (Shut down)
Measurement Date	May 28 - 29, 2024
Measurement by	Sangtawan Natasut
Sound Level Meter	04072124

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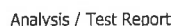
Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	51.8	71.8	45.6
10:00 AM - 11:00 AM	55.1	77.4	49.2
11:00 AM - 12:00 PM	54.8	84.1	49.4
12:00 PM - 01:00 PM	48.9	71.2	44.6
01:00 PM - 02:00 PM	49.5	63.8	45.6
02:00 PM - 03:00 PM	49.6	77.7	45.8
03:00 PM - 04:00 PM	52.3	75.1	47.7
04:00 PM - 05:00 PM	52.4	70.1	48.4
05:00 PM - 06:00 PM	52.1	66.0	47.8
06:00 PM - 07:00 PM	51.2	72.4	45.8
07:00 PM - 08:00 PM	49.7	66.6	45.9
08:00 PM - 09:00 PM	48.5	59.7	46.2
09:00 PM - 10:00 PM	47.9	63.9	46.9
10:00 PM - 10:25 PM	48.3	54.4	45.9
10:25 PM - 10:50 PM	48.7	55.3	45.9
10:50 PM - 10:55 PM	48.1	54.8	45.8
10:55 PM - 10:20 PM	49.8	60.4	45.8
10:20 PM - 10:35 PM	47.6	52.2	46.3
10:35 PM - 10:30 PM	49.2	55.0	44.2
10:30 PM - 10:35 PM	47.7	54.1	45.0
10:35 PM - 10:40 PM	47.1	39.6	45.2
10:40 PM - 10:45 PM	47.6	51.7	43.5
10:45 PM - 10:50 PM	46.5	52.6	43.6
10:50 PM - 10:55 PM	47.8	54.2	44.7
10:55 PM - 11:00 PM	47.1	39.8	43.9
11:00 PM - 11:05 PM	47.5	56.5	44.6
11:05 PM - 11:10 PM	48.4	58.2	43.4
11:10 PM - 11:15 PM	46.9	51.8	42.8
11:15 PM - 11:20 PM	47.5	46.1	45.2
11:20 PM - 11:25 PM	49.6	62.2	43.9
11:25 PM - 11:30 PM	47.9	51.3	43.5
11:30 PM - 11:35 PM	46.7	34.6	41.6
11:35 PM - 11:40 PM	46.7	51.5	44.4
11:40 PM - 11:45 PM	44.8	51.6	43.0
11:45 PM - 11:50 PM	43.0	56.4	42.6
11:50 PM - 11:55 PM	43.7	50.6	41.3
11:55 PM - 12:00 AM	45.2	53.3	42.0
12:00 AM - 12:05 AM	49.7	59.8	41.4
12:05 AM - 12:10 AM	44.8	51.4	41.8
12:10 AM - 12:15 AM	43.1	51.0	40.6

Approved:

Kanokkorn Anu
Senior Manager

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Sample No.	2454492-18
Parameter	Noise
Location	โรงเรียนบ้านหนองบัว (GPS 48Q 279854, 1089320) (วัดด้าน) (Shut down)
Measurement Date	May 28 - 29, 2024
Measurement by	Sangtawon Natsat
Sound Level Meter	06427124

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Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
17:15 AM - 17:30 AM	43.2	53.7	21.3
17:30 AM - 17:45 AM	44.1	53.8	40.9
17:45 AM - 18:00 AM	46.0	52.0	42.5
18:00 AM - 18:15 AM	42.1	54.0	28.8
18:15 AM - 18:30 AM	41.6	52.6	23.6
18:30 AM - 18:45 AM	43.5	49.1	40.7
18:45 AM - 19:00 AM	44.3	53.9	41.0
19:00 AM - 19:15 AM	45.5	55.8	40.5
19:15 AM - 01:00 AM	45.5	55.5	41.9
01:00 AM - 01:05 AM	47.2	62.6	27.8
01:05 AM - 01:10 AM	44.2	51.2	40.0
01:10 AM - 01:15 AM	43.8	51.0	42.0
01:15 AM - 01:20 AM	43.2	50.2	40.1
01:20 AM - 01:25 AM	44.7	52.6	40.6
01:25 AM - 01:30 AM	43.4	52.3	28.5
01:30 AM - 01:35 AM	46.2	54.1	42.3
01:35 AM - 01:40 AM	45.1	51.0	42.6
01:40 AM - 01:45 AM	46.3	52.8	42.5
01:45 AM - 01:50 AM	46.4	54.1	42.5
01:50 AM - 01:55 AM	46.6	48.6	42.5
01:55 AM - 02:00 AM	47.4	62.3	43.1
02:00 AM - 02:05 AM	46.8	47.2	42.2
02:05 AM - 02:10 AM	50.3	63.7	41.2
02:10 AM - 02:15 AM	44.9	50.1	40.4
02:15 AM - 02:20 AM	44.3	50.9	41.5
02:20 AM - 02:25 AM	46.3	56.3	43.1
02:25 AM - 02:30 AM	44.9	52.7	42.5
02:30 AM - 02:35 AM	44.3	50.5	41.3
02:35 AM - 02:40 AM	46.2	54.2	43.3
02:40 AM - 02:45 AM	46.8	28.3	41.3
02:45 AM - 02:50 AM	46.7	52.0	41.3
02:50 AM - 02:55 AM	43.8	52.0	41.1
02:55 AM - 03:00 AM	46.2	52.9	43.4
03:00 AM - 03:05 AM	45.4	50.6	43.4
03:05 AM - 03:10 AM	45.9	52.3	43.0
03:10 AM - 03:15 AM	45.3	53.8	41.1
03:15 AM - 03:20 AM	46.1	51.9	40.3
03:20 AM - 03:25 AM	45.9	53.9	42.2
03:25 AM - 03:30 AM	45.8	51.7	42.1
03:30 AM - 03:35 AM	46.9	51.2	43.0

Sample No.	2454492-18
Parameter	Noise
Location	โหล่งผือ/โหล่งผือ (GPS 48Q 279854, 1889320) (หล่งผือ) (Shua down)
Measurement Date	May 28 - 29, 2024
Measurement by	Sangtawan Natasat
Sound Level Meter	00472124

Page 3 of 4

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	52.2	51.2	47.5
03:40 AM - 03:45 AM	52.7	52.3	47.7
03:45 AM - 03:50 AM	52.7	51.4	48.4
03:50 AM - 03:55 AM	51.8	51.1	47.9
03:55 AM - 04:00 AM	50.0	53.6	47.0
04:00 AM - 04:05 AM	54.4	51.1	42.0
04:05 AM - 04:10 AM	55.3	53.2	42.1
04:10 AM - 04:15 AM	56.3	53.4	43.7
04:15 AM - 04:20 AM	58.1	54.7	45.3
04:20 AM - 04:25 AM	56.5	53.4	43.7
04:25 AM - 04:30 AM	55.4	53.7	42.9
04:30 AM - 04:35 AM	44.3	50.1	42.3
04:35 AM - 04:40 AM	44.6	51.2	42.2
04:40 AM - 04:45 AM	45.8	52.4	42.6
04:45 AM - 04:50 AM	42.6	49.9	41.6
04:50 AM - 04:55 AM	45.5	51.1	42.5
04:55 AM - 05:00 AM	45.6	54.3	43.0
05:00 AM - 05:05 AM	47.8	53.3	44.2
05:05 AM - 05:10 AM	49.4	58.4	45.7
05:10 AM - 05:15 AM	53.1	52.6	48.8
05:15 AM - 05:20 AM	53.5	65.0	47.9
05:20 AM - 05:25 AM	56.5	58.7	47.1
05:25 AM - 05:30 AM	50.9	59.3	43.6
05:30 AM - 05:35 AM	51.3	65.9	46.8
05:35 AM - 05:40 AM	58.1	67.5	46.4
05:40 AM - 05:45 AM	56.0	71.0	45.7
05:45 AM - 05:50 AM	51.6	69.9	46.3
05:50 AM - 05:55 AM	52.8	71.5	47.7
05:55 AM - 06:00 AM	51.8	54.8	46.4
06:00 AM - 07:00 AM	51.0	69.8	47.1
07:00 AM - 08:00 AM	52.0	69.0	47.7
08:00 AM - 09:00 AM	49.3	67.0	46.4

Research Method

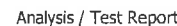
2. ปณิธานของโรงเรียนสาธิตมหาวิทยาลัยศรีนครินทรวิโรฒ กรุงเทพมหานคร : สืบค้นเมื่อวันที่ 24 ธันวาคม 2560 จาก <http://www.sriwittaya.ac.th>

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Sample No.	2454492-18
Parameter	Noise
Location	โหล่งผือ/โหล่งผือ (GPS 48Q 279854, 1889320) (หล่งผือ) (Shua down)
Measurement Date	May 28 - 29, 2024
Measurement by	Sangtawan Natasat
Sound Level Meter	00472124

Page 3 of 4

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	52.2	51.2	47.5
03:40 AM - 03:45 AM	52.7	52.3	47.7
03:45 AM - 03:50 AM	52.7	51.4	48.4
03:50 AM - 03:55 AM	51.8	51.1	47.9
03:55 AM - 04:00 AM	50.0	53.6	47.0
04:00 AM - 04:05 AM	54.4	51.1	42.0
04:05 AM - 04:10 AM	55.3	53.2	42.1
04:10 AM - 04:15 AM	56.3	53.4	43.7
04:15 AM - 04:20 AM	58.1	54.7	45.3
04:20 AM - 04:25 AM	56.5	53.4	43.7
04:25 AM - 04:30 AM	55.4	53.7	42.9
04:30 AM - 04:35 AM	44.3	50.1	42.3
04:35 AM - 04:40 AM	44.6	51.2	42.2
04:40 AM - 04:45 AM	45.8	52.4	42.6
04:45 AM - 04:50 AM	42.6	49.9	41.6
04:50 AM - 04:55 AM	45.5	51.1	42.5
04:55 AM - 05:00 AM	45.6	54.3	43.0
05:00 AM - 05:05 AM	47.8	53.3	44.2
05:05 AM - 05:10 AM	49.4	58.4	45.7
05:10 AM - 05:15 AM	53.1	52.6	48.8
05:15 AM - 05:20 AM	53.5	65.0	47.9
05:20 AM - 05:25 AM	56.5	58.7	47.1
05:25 AM - 05:30 AM	50.9	59.3	43.6
05:30 AM - 05:35 AM	51.3	65.9	46.8
05:35 AM - 05:40 AM	58.1	67.5	46.4
05:40 AM - 05:45 AM	56.0	71.0	45.7
05:45 AM - 05:50 AM	51.6	69.9	46.3
05:50 AM - 05:55 AM	52.8	71.5	47.7
05:55 AM - 06:00 AM	51.8	54.8	46.4
06:00 AM - 07:00 AM	51.0	69.8	47.1
07:00 AM - 08:00 AM	52.0	69.0	47.7
08:00 AM - 09:00 AM	49.3	67.0	46.4

Research Method

2. ปณิธานของโรงเรียนสาธิตมหาวิทยาลัยศรีนครินทรวิโรฒ กรุงเทพมหานคร : สืบค้นเมื่อวันที่ 24 ธันวาคม 2560 จาก <http://www.sriwittaya.ac.th>

Approved _____

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Srinivas M.

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017284-1

P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454492-19
Parameter : Noise
Location : ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : May 29 - 30, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.9	77.4	52.2
10:00 AM - 11:00 AM	52.7	80.2	45.1
11:00 AM - 12:00 PM	53.1	75.3	42.9
12:00 PM - 01:00 PM	52.9	76.7	42.9
01:00 PM - 02:00 PM	48.0	77.2	41.7
02:00 PM - 03:00 PM	46.7	66.1	42.9
03:00 PM - 04:00 PM	49.1	74.1	41.5
04:00 PM - 05:00 PM	52.0	77.7	47.0
05:00 PM - 06:00 PM	54.6	80.7	48.1
06:00 PM - 07:00 PM	51.7	71.2	47.7
07:00 PM - 08:00 PM	51.0	67.1	47.1
08:00 PM - 09:00 PM	49.1	64.9	46.1
09:00 PM - 10:00 PM	52.2	67.8	45.1
10:00 PM - 10:55 PM	48.2	52.8	46.4
10:55 PM - 11:00 PM	48.0	53.8	45.9
11:00 PM - 11:05 PM	47.8	60.2	45.3
11:05 PM - 11:10 PM	48.0	60.2	45.3
11:10 PM - 11:15 PM	47.2	54.7	42.6
11:15 PM - 11:20 PM	45.8	53.3	43.1
11:20 PM - 11:25 PM	47.1	54.8	43.5
11:25 PM - 11:30 PM	47.1	54.8	43.5
11:30 PM - 11:35 PM	46.3	54.7	42.6
11:35 PM - 11:40 PM	47.4	58.6	44.7
11:40 PM - 11:45 PM	46.3	54.0	43.0
11:45 PM - 11:50 PM	44.4	51.7	41.9
11:50 PM - 11:55 PM	45.5	57.4	46.0
11:55 PM - 12:00 AM	42.9	48.7	40.7
12:00 AM - 12:05 AM	43.9	51.1	40.7
12:05 AM - 12:10 AM	43.9	50.3	41.9
12:10 AM - 12:15 AM	46.4	52.5	43.9
12:15 AM - 12:20 AM	43.1	49.5	43.4
12:20 AM - 12:25 AM	44.1	49.2	42.1
12:25 AM - 12:30 AM	44.0	58.3	43.4
12:30 AM - 12:35 AM	44.0	51.1	40.1
12:35 AM - 12:40 AM	44.1	52.2	40.7
12:40 AM - 12:45 AM	43.3	51.1	39.5
12:45 AM - 12:50 AM	41.5	44.5	38.2
12:50 AM - 12:55 AM	42.4	48.7	39.8
12:55 AM - 12:59 AM	44.3	57.2	39.8

The data in this report is valid only for the analyzed period (sample) as indicated in this report. No part of this report or certificate may be reproduced or used in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) Co., Ltd. is not responsible for the use of this report in any other manner.

Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017284-1

P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454492-19
Parameter : Noise
Location : ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : May 29 - 30, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	44.3	59.2	39.4
12:20 AM - 12:25 AM	43.4	60.1	40.1
12:25 AM - 12:30 AM	43.7	57.6	38.4
12:30 AM - 12:35 AM	43.2	50.8	40.0
12:35 AM - 12:40 AM	43.3	51.2	39.1
12:40 AM - 12:45 AM	43.6	52.9	41.9
12:45 AM - 12:50 AM	46.9	51.4	45.7
12:50 AM - 12:55 AM	47.2	54.8	43.5
12:55 AM - 01:00 AM	48.0	53.3	46.3
01:00 AM - 01:05 AM	48.2	54.2	41.4
01:05 AM - 01:10 AM	49.0	50.3	47.3
01:10 AM - 01:15 AM	46.6	51.8	47.5
01:15 AM - 01:20 AM	46.1	55.9	41.2
01:20 AM - 01:25 AM	46.3	50.9	44.8
01:25 AM - 01:30 AM	47.3	58.3	44.6
01:30 AM - 01:35 AM	48.9	60.3	42.8
01:35 AM - 01:40 AM	45.6	55.7	40.3
01:40 AM - 01:45 AM	40.2	49.0	38.0
01:45 AM - 01:50 AM	40.7	47.7	38.6
01:50 AM - 01:55 AM	41.2	51.3	39.8
01:55 AM - 02:00 AM	41.6	55.5	41.8
02:00 AM - 02:05 AM	43.1	51.1	39.8
02:05 AM - 02:10 AM	43.6	51.6	41.4
02:10 AM - 02:15 AM	41.1	45.1	42.2
02:15 AM - 02:20 AM	44.8	50.8	42.1
02:20 AM - 02:25 AM	45.3	56.8	43.1
02:25 AM - 02:30 AM	44.9	51.5	41.2
02:30 AM - 02:35 AM	44.5	52.3	41.9
02:35 AM - 02:40 AM	43.9	51.7	43.0
02:40 AM - 02:45 AM	43.9	51.9	40.4
02:45 AM - 02:50 AM	41.3	46.7	41.6
02:50 AM - 02:55 AM	44.1	58.7	41.5
02:55 AM - 03:00 AM	44.1	54.3	40.0
03:00 AM - 03:05 AM	44.7	54.4	41.6
03:05 AM - 03:10 AM	45.8	55.2	41.8
03:10 AM - 03:15 AM	44.1	55.8	40.6
03:15 AM - 03:20 AM	44.2	54.2	40.6
03:20 AM - 03:25 AM	43.6	49.7	41.6
03:25 AM - 03:30 AM	43.9	49.9	41.5
03:30 AM - 03:35 AM	44.2	49.6	41.9

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Approved by

Kanokorn Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017284-1

P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454492-19
Parameter : Noise
Location : ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : May 29 - 30, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:15 AM - 03:20 AM	45.2	60.9	42.7
03:20 AM - 03:25 AM	45.6	57.3	42.7
03:25 AM - 03:30 AM	44.2	52.2	41.4
03:30 AM - 03:35 AM	43.9	51.2	40.8
03:35 AM - 03:40 AM	43.9	47.8	41.0
03:40 AM - 03:45 AM	43.2	47.8	41.0
03:45 AM - 03:50 AM	43.2	53.3	42.3
03:50 AM - 03:55 AM	41.9	48.1	39.7
03:55 AM - 04:00 AM	43.2	54.8	41.1
04:00 AM - 04:05 AM	43.5	49.5	40.3
04:05 AM - 04:10 AM	46.3	51.2	43.9
04:10 AM - 04:15 AM	46.4	52.2	43.6
04:15 AM - 04:20 AM	44.3	55.5	42.4
04:20 AM - 04:25 AM	43.7	50.0	43.6
04:25 AM - 04:30 AM	43.8	54.0	43.5
04:30 AM - 04:35 AM	46.4	54.3	43.6
04:35 AM - 04:40 AM	47.3	52.8	45.0
04:40 AM - 04:45 AM	47.0	64.0	43.1
04:45 AM - 04:50 AM	50.5	72.8	44.3
04:50 AM - 04:55 AM	53.0	70.2	43.4
04:55 AM - 05:00 AM	50.6	70.9	46.6
05:00 AM - 05:05 AM	50.1	60.9	46.7
05:05 AM - 05:10 AM	50.3	70.5	45.9
05:10 AM - 05:15 AM	50.4	64.1	46.1
05:15 AM - 05:20 AM	54.3	71.2	46.8
05:20 AM - 05:25 AM	57.4	70.2	47.6
05:25 AM - 05:30 AM	50.0	61.2	46.9
05:30 AM - 05:35 AM	51.5	60.7	46.8
05:35 AM - 05:40 AM	50.3	52.8	47.6
05:40 AM - 05:45 AM	50.0	61.2	46.9
05:45 AM - 05:50 AM	50.0	60.7	46.8
05:50 AM - 05:55 AM	50.0	64.5	46.9
05:55 AM - 06:00 AM	50.0	57.1	45.2
06:00 AM - 06:05 AM	49.6	55.1	43.4
06:05 AM - 06:10 AM	47.6	55.1	43.4

Reference Method :

1. In-house method : STN 06-001 based on ISO 1999-1 : 2016
2. วิธีการวัดระดับเสียง : ใช้วิธีวัดระดับเสียงแบบเคลื่อนที่ 24 ชั่วโมง โดยใช้เครื่องวัดระดับเสียงแบบเคลื่อนที่รุ่น N. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No. : 3017284-1

P/O : 421005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454492-20
Parameter : Noise
Location : ไร่สุพรรณภูมิ (GPS 48Q 279654, 1889320) (หน้าวัด) (Shut down)
Measurement Date : May 20 - 31, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.0	67.0	44.0
10:00 AM - 11:00 AM	48.5	79.8	45.7
11:00 AM - 12:00 PM	51.9	76.5	45.7
12:00 PM - 01:00 PM	55.9	83.9	45.6
01:00 PM - 02:00 PM	50.3	71.7	45.5
02:00 PM - 03:00 PM	48.6	72.0	44.7
03:00 PM - 04:00 PM	55.9	80.1	46.5
04:00 PM - 05:00 PM	49.7	69.9	45.2
05:00 PM - 06:00 PM	53.5	76.6	46.3
06:00 PM - 07:00 PM	50.8	74.4	45.8
07:00 PM - 08:00 PM	47.3	72.7	43.7
08:00 PM - 09:00 PM	49.0	68.6	45.8
09:00 PM - 10:00 PM	48.6	65.3	46.3
10:00 PM - 10:05 PM	49.8	60.2	40.0
10:05 PM - 10:10 PM	46.3	52.0	43.7
10:10 PM - 10:15 PM	47.0	53.1	44.9
10:15 PM - 10:20 PM	47.7	58.1	45.7
10:20 PM - 10:25 PM	48.6	57.7	46.0
10:25 PM - 10:30 PM	46.5	51.7	44.2
10:30 PM - 10:35 PM	46.5	52.7	44.8
10:35 PM - 10:40 PM	46.7	52.8	44.7
10:40 PM - 10:45 PM	47.8	53.5	44.9
10:45 PM - 10:50 PM	48.1	54.9	45.6
10:50 PM - 10:55 PM	48.4	51.3	44.7
10:55 PM - 11:00 PM	47.4	52.8	45.1
11:00 PM - 11:05 PM	48.1	54.9	46.9
11:05 PM - 11:10 PM	47.5	55.9	46.4
11:10 PM - 11:15 PM	50.2	61.8	46.9
11:15 PM - 11:20 PM	49.1	52.6	43.6
11:20 PM - 11:25 PM	49.7	56.7	45.9
11:25 PM - 11:30 PM	46.9	53.2	45.4
11:30 PM - 11:35 PM	45.8	55.5	42.7
11:35 PM - 11:40 PM	43.7	48.5	41.9
11:40 PM - 11:45 PM	44.7	51.0	42.9
11:45 PM - 11:50 PM	45.8	50.4	44.4
11:50 PM - 11:55 PM	45.6	50.9	43.6
11:55 PM - 12:00 AM	46.3	54.9	43.6
12:00 AM - 12:05 AM	43.5	48.7	41.5
12:05 AM - 12:10 AM	47.3	60.2	43.8
12:10 AM - 12:15 AM	50.7	69.1	44.6

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017285-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Sample No. 2454492-20
Parameter Noise
Location Tsatoung/hunhupai (GPS 48Q 279854, 1889310) (หน้าวัด) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sangtawan Naitasat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:30 AM	44.9	50.7	42.3
12:30 AM - 12:45 AM	44.9	49.5	42.1
12:45 AM - 12:55 AM	46.0	52.5	43.9
12:55 AM - 12:59 AM	42.1	52.3	43.9
12:59 AM - 1:00 AM	45.8	52.8	42.1
1:00 AM - 1:15 AM	44.9	50.1	42.6
1:15 AM - 1:30 AM	46.4	53.0	47.0
1:30 AM - 1:45 AM	42.4	60.3	46.7
1:45 AM - 1:59 AM	45.4	51.2	42.5
2:00 AM - 2:15 AM	46.3	52.0	43.7
2:15 AM - 2:30 AM	46.2	51.3	43.2
2:30 AM - 2:45 AM	43.3	56.6	46.7
2:45 AM - 2:59 AM	46.2	53.7	43.6
3:00 AM - 3:15 AM	44.7	51.4	42.3
3:15 AM - 3:30 AM	46.5	53.3	42.7
3:30 AM - 3:45 AM	45.1	53.5	42.8
3:45 AM - 4:00 AM	42.0	47.6	40.9
4:00 AM - 4:15 AM	31.8	62.9	44.8
4:15 AM - 4:30 AM	46.2	53.5	42.7
4:30 AM - 4:45 AM	47.8	55.5	43.9
4:45 AM - 5:00 AM	46.2	53.0	43.2
5:00 AM - 5:15 AM	44.7	51.8	41.9
5:15 AM - 5:30 AM	46.3	55.3	42.1
5:30 AM - 5:45 AM	46.3	55.3	42.1
5:45 AM - 6:00 AM	44.7	51.0	42.3
6:00 AM - 6:15 AM	46.5	62.7	43.5
6:15 AM - 6:30 AM	45.5	53.9	43.5
6:30 AM - 6:45 AM	44.4	49.2	42.7
6:45 AM - 7:00 AM	45.9	51.9	43.4
7:00 AM - 7:15 AM	46.9	52.4	42.8
7:15 AM - 7:30 AM	54.5	69.0	44.8
7:30 AM - 7:45 AM	47.2	53.0	44.4
7:45 AM - 8:00 AM	47.2	53.1	42.9
8:00 AM - 8:15 AM	45.8	53.7	42.9
8:15 AM - 8:30 AM	46.6	57.3	42.9
8:30 AM - 8:45 AM	51.8	64.5	44.0
8:45 AM - 9:00 AM	46.1	52.2	43.5
9:00 AM - 9:15 AM	46.3	52.7	44.3
9:15 AM - 9:30 AM	45.7	51.2	41.8
9:30 AM - 9:45 AM	45.5	52.7	42.4
9:45 AM - 10:00 AM	47.6	62.3	44.0

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017285-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Sample No. 2454492-20
Parameter Noise
Location Tsatoung/hunhupai (GPS 48Q 279854, 1889310) (หน้าวัด) (Shut down)
Measurement Date May 30 - 31, 2024
Measurement by Sangtawan Naitasat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:15 AM - 03:30 AM	43.3	51.2	41.4
03:30 AM - 03:45 AM	43.7	50.8	41.9
03:45 AM - 03:55 AM	43.6	54.6	42.2
03:55 AM - 04:00 AM	46.1	55.8	44.2
04:00 AM - 04:05 AM	43.2	51.1	42.7
04:05 AM - 04:09 AM	43.9	54.3	42.5
04:09 AM - 04:18 AM	47.0	53.7	42.9
04:18 AM - 04:19 AM	42.3	57.1	43.3
04:19 AM - 04:20 AM	42.7	54.0	43.2
04:20 AM - 04:25 AM	47.9	53.8	43.0
04:25 AM - 04:30 AM	47.6	57.5	43.6
04:30 AM - 04:33 AM	46.3	55.9	43.2
04:33 AM - 04:40 AM	46.6	51.9	42.8
04:40 AM - 04:43 AM	47.5	61.0	43.4
04:43 AM - 04:50 AM	47.8	59.4	42.6
04:50 AM - 04:55 AM	49.1	61.4	43.0
04:55 AM - 05:00 AM	47.9	59.7	44.7
05:00 AM - 05:05 AM	47.5	55.5	43.2
05:05 AM - 05:10 AM	52.1	60.7	44.7
05:10 AM - 05:15 AM	49.4	62.4	46.0
05:15 AM - 05:20 AM	49.1	57.3	46.1
05:20 AM - 05:25 AM	50.9	56.5	47.3
05:25 AM - 05:30 AM	48.6	55.2	44.0
05:30 AM - 05:35 AM	49.9	65.6	43.4
05:35 AM - 05:40 AM	50.6	58.1	46.6
05:40 AM - 05:45 AM	51.8	64.7	47.0
05:45 AM - 05:50 AM	49.9	61.7	46.7
05:50 AM - 05:55 AM	50.9	59.9	47.2
05:55 AM - 06:00 AM	49.6	58.9	43.6
06:00 AM - 06:05 AM	52.7	79.5	46.7
06:05 AM - 06:10 AM	51.5	74.5	46.6
06:10 AM - 06:15 AM	50.1	71.1	46.2

Reference Method :

1. In house method : STM 96-00 based on ISO 1996-1 : 2016
2. มาตรฐานการกำหนดระดับเสียง : มาตรฐานการกำหนดระดับเสียงของพื้นที่อยู่อาศัย 24 ชั่วโมงตามข้อกำหนดของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2560

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017286-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Sample No. 2454492-21
Parameter Noise
Location Tsatoung/hunhupai (GPS 48Q 279854, 1889310) (หน้าวัด) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Naitasat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	54.8	68.7	45.1
10:00 AM - 11:00 AM	48.0	66.5	43.8
11:00 AM - 12:00 PM	51.8	73.9	45.3
12:00 PM - 01:00 PM	50.7	74.1	46.2
01:00 PM - 02:00 PM	48.8	68.7	44.5
02:00 PM - 03:00 PM	49.2	73.5	44.0
03:00 PM - 04:00 PM	54.0	80.9	44.4
04:00 PM - 05:00 PM	48.1	69.4	43.8
05:00 PM - 06:00 PM	49.2	73.6	44.0
06:00 PM - 07:00 PM	46.6	71.2	42.3
07:00 PM - 08:00 PM	45.7	62.9	42.3
08:00 PM - 09:00 PM	45.9	64.3	41.9
09:00 PM - 10:00 PM	44.5	58.1	40.7
10:00 PM - 10:05 PM	44.3	52.1	40.3
10:05 PM - 10:10 PM	44.1	56.5	40.4
10:10 PM - 10:15 PM	42.4	49.7	39.8
10:15 PM - 10:20 PM	42.9	51.6	39.7
10:20 PM - 10:25 PM	44.2	51.7	39.7
10:25 PM - 10:30 PM	43.8	50.2	41.1
10:30 PM - 10:35 PM	44.1	51.7	40.5
10:35 PM - 10:40 PM	44.8	55.5	40.5
10:40 PM - 10:45 PM	43.2	50.3	40.4
10:45 PM - 10:50 PM	43.9	53.2	40.8
10:50 PM - 10:55 PM	42.1	51.6	39.8
10:55 PM - 11:00 PM	45.1	57.4	39.7
11:00 PM - 11:05 PM	43.3	54.8	39.8
11:05 PM - 11:10 PM	44.7	57.5	41.3
11:10 PM - 11:15 PM	42.7	51.2	39.6
11:15 PM - 11:20 PM	43.8	56.9	40.5
11:20 PM - 11:25 PM	45.0	50.7	40.1
11:25 PM - 11:30 PM	43.0	52.3	39.7
11:30 PM - 11:35 PM	41.2	50.4	38.9
11:35 PM - 11:40 PM	42.0	58.1	42.0
11:40 PM - 11:45 PM	42.2	50.4	41.0
11:45 PM - 11:50 PM	43.6	48.9	41.0
11:50 PM - 11:55 PM	42.8	49.2	39.4
11:55 PM - 12:00 AM	43.1	59.6	41.0
12:00 AM - 12:05 AM	40.7	47.8	38.2
12:05 AM - 12:10 AM	40.9	48.5	38.6
12:10 AM - 12:15 AM	41.4	53.8	40.2

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017286-1

P/O : 4210005772
Project Name : Factory License No.10410000125143_EIA Monitoring
Project Location :

Sample No. 2454492-21
Parameter Noise
Location Tsatoung/hunhupai (GPS 48Q 279854, 1889310) (หน้าวัด) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Naitasat
Sound Level Meter 00472124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:30 AM	42.6	51.6	39.3
12:30 AM - 12:35 AM	41.3	47.7	39.2
12:35 AM - 12:40 AM	42.1	49.7	39.8
12:40 AM - 12:45 AM	42.0	50.3	40.1
12:45 AM - 12:49 AM	42.7	50.9	39.9
12:49 AM - 12:54 AM	44.1	51.2	39.7
12:54 AM - 12:55 AM	42.9	53.9	39.7
12:55 AM - 13:00 AM	42.6	50.7	39.4
13:00 AM - 13:05 AM	44.3	54.3	39.9
13:05 AM - 13:10 AM	42.3	49.3	39.3
13:10 AM - 13:15 AM	43.2	53.6	40.0
13:15 AM - 13:20 AM	42.8	52.0	39.7
13:20 AM - 13:25 AM	42.8	51.9	39.2
13:25 AM - 13:30 AM	44.3	56.4	42.0
13:30 AM - 13:35 AM	42.9	50.8	40.7
13:35 AM - 13:40 AM	44.0	51.5	40.2
13:40 AM - 13:45 AM	46.1	51.9	40.9
13:45 AM - 13:50 AM	44.6	54.6	41.9
13:50 AM - 13:55 AM	42.9	49.5	41.6
13:55 AM - 14:00 AM	44.2	51.7	40.5
14:00 AM - 14:05 AM	43.7	55.6	41.7
14:05 AM - 14:10 AM	43.5	58.8	40.6
14:10 AM - 14:15 AM	37.1	57.1	38.8
14:15 AM - 14:20 AM	44.3	58.4	40.3
14:20 AM - 14:25 AM	40.1	54.4	40.9
14:25 AM - 14:30 AM	43.8	54.5	40.6
14:30 AM - 14:35 AM	41.8	51.6	40.0
14:35 AM - 14:40 AM	41.5	48.5	41.5
14:40 AM - 14:45 AM	43.0	51.9	40.3
14:45 AM - 14:50 AM	43.5	52.9	40.8
14:50 AM - 14:55 AM	42.8	56.3	40.1
14:55 AM - 15:00 AM	41.5	53.5	39.0
15:00 AM - 15:05 AM	40.2	49.2	38.7
15:05 AM - 15:10 AM	42.9	51.4	39.0
15:10 AM - 15:15 AM	41.0	50.7	38.7
15:15 AM - 15:20 AM	42.5	56.1	38.2
15:20 AM - 15:25 AM	41.6	49.6	39.3
15:25 AM - 15:30 AM	43.2	52.1	39.3
15:30 AM - 15:35 AM	41.4	47.1	37.4
15:35 AM - 15:40 AM	43.5	57.6	37.7

Approved by

Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017286-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EIA Monitoring
Project Location : Page 3 of 3

Sample No. 2454492-21
Parameter Noise
Location 1km/100m/100m (GPS 46Q 279854, 1889320) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00572124

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:35 AM - 01:40 AM	41.8	51.1	28.1
01:40 AM - 01:45 AM	44.4	53.0	28.9
01:45 AM - 01:50 AM	43.2	54.5	29.1
01:50 AM - 01:55 AM	41.6	51.7	27.7
01:55 AM - 02:00 AM	41.5	48.2	28.7
02:00 AM - 02:05 AM	42.9	50.1	29.7
02:05 AM - 02:10 AM	42.0	50.7	29.2
02:10 AM - 02:15 AM	44.4	52.6	41.3
02:15 AM - 02:20 AM	43.7	57.3	42.1
02:20 AM - 02:25 AM	45.4	55.1	42.8
02:25 AM - 02:30 AM	43.2	51.1	41.9
02:30 AM - 02:35 AM	44.8	54.9	41.0
02:35 AM - 02:40 AM	44.1	49.5	41.3
02:40 AM - 02:45 AM	41.8	51.4	41.8
02:45 AM - 02:50 AM	46.1	51.1	43.5
02:50 AM - 02:55 AM	45.8	52.3	43.2
02:55 AM - 03:00 AM	46.8	57.4	43.7
03:00 AM - 03:05 AM	48.2	59.3	43.6
03:05 AM - 03:10 AM	47.9	60.7	44.6
03:10 AM - 03:15 AM	47.6	56.9	44.6
03:15 AM - 03:20 AM	51.4	64.6	44.7
03:20 AM - 03:25 AM	53.3	71.9	43.0
03:25 AM - 03:30 AM	49.1	61.8	44.8
03:30 AM - 03:35 AM	49.8	59.4	43.1
03:35 AM - 03:40 AM	51.1	61.1	43.0
03:40 AM - 03:45 AM	49.2	55.5	43.6
03:45 AM - 03:50 AM	50.3	60.1	46.1
03:50 AM - 03:55 AM	50.9	63.7	46.2
03:55 AM - 04:00 AM	52.4	67.4	46.3
04:00 AM - 04:05 AM	51.5	55.8	47.9
04:05 AM - 04:10 AM	50.1	64.6	46.7
04:10 AM - 04:15 AM	47.8	60.3	44.6

Reference Method : 1. In-house method : STM 06-001 based on ISO 1996-1 : 2016

2. มาตรฐานวิธีวัดและประเมินค่าเสียง (การวัดเสียง) ตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

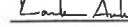
Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017287-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EIA Monitoring
Project Location : Page 1 of 3

Sample No. 2454492-22
Parameter Noise
Location 1km/100m/100m (GPS 46Q 280220, 1889088) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 09:05 AM	51.2	69.3	41.7
09:05 AM - 09:10 AM	50.5	68.1	41.8
09:10 AM - 09:15 AM	50.4	70.6	40.5
09:15 AM - 09:20 AM	48.8	66.7	39.4
09:20 AM - 09:25 AM	50.5	75.1	39.2
09:25 AM - 09:30 AM	49.0	62.5	39.4
09:30 AM - 09:35 AM	51.8	76.1	40.4
09:35 AM - 09:40 AM	49.5	70.5	39.3
09:40 AM - 09:45 AM	52.5	77.8	40.5
09:45 AM - 09:50 AM	50.7	71.9	41.7
09:50 AM - 09:55 AM	50.7	72.2	41.9
09:55 AM - 10:00 AM	49.7	68.2	41.2
10:00 AM - 10:05 AM	45.1	55.2	44.2
10:05 AM - 10:10 AM	44.9	48.9	44.4
10:10 AM - 10:15 AM	44.8	47.4	44.2
10:15 AM - 10:20 AM	44.5	49.1	44.0
10:20 AM - 10:25 AM	44.3	49.5	43.7
10:25 AM - 10:30 AM	44.6	51.5	43.6
10:30 AM - 10:35 AM	44.7	52.2	44.1
10:35 AM - 10:40 AM	44.3	48.7	43.9
10:40 AM - 10:45 AM	44.2	47.2	43.9
10:45 AM - 10:50 AM	45.8	67.1	43.9
10:50 AM - 10:55 AM	44.0	46.8	43.6
10:55 AM - 11:00 AM	42.8	51.4	42.8
11:00 AM - 11:05 AM	42.7	47.5	42.3
11:05 AM - 11:10 AM	43.4	45.7	43.0
11:10 AM - 11:15 AM	42.5	45.1	42.9
11:15 AM - 11:20 AM	42.9	47.8	42.9
11:20 AM - 11:25 AM	42.7	48.9	43.1
11:25 AM - 11:30 AM	42.7	52.5	43.1
11:30 AM - 11:35 AM	42.5	46.5	42.8
11:35 AM - 11:40 AM	42.2	47.9	42.6
11:40 AM - 11:45 AM	42.0	46.2	42.5
11:45 AM - 11:50 AM	42.9	46.4	42.4
11:50 AM - 11:55 AM	42.7	44.8	42.1
11:55 AM - 12:00 AM	43.2	52.2	42.3
12:00 AM - 12:05 AM	42.5	46.2	41.7
12:05 AM - 12:10 AM	42.9	49.4	41.8
12:10 AM - 12:15 AM	42.4	43.7	41.8

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

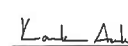
Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017287-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EIA Monitoring
Project Location : Page 2 of 3

Sample No. 2454492-22
Parameter Noise
Location 1km/100m/100m (GPS 46Q 280220, 1889088) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	42.1	60.5	41.5
12:20 AM - 12:25 AM	41.6	46.2	41.1
12:25 AM - 12:30 AM	41.8	48.5	41.1
12:30 AM - 12:35 AM	41.6	44.1	41.2
12:35 AM - 12:40 AM	42.0	53.5	41.2
12:40 AM - 12:45 AM	41.7	52.2	41.1
12:45 AM - 12:50 AM	41.7	46.1	41.3
12:50 AM - 12:55 AM	41.6	46.1	41.0
12:55 AM - 01:00 AM	41.7	45.1	41.2
01:00 AM - 01:05 AM	42.3	48.7	41.4
01:05 AM - 01:10 AM	42.0	49.8	41.3
01:10 AM - 01:15 AM	41.9	45.5	41.2
01:15 AM - 01:20 AM	42.6	49.0	41.0
01:20 AM - 01:25 AM	41.9	47.3	40.9
01:25 AM - 01:30 AM	42.1	49.1	41.2
01:30 AM - 01:35 AM	41.9	42.4	41.4
01:35 AM - 01:40 AM	42.0	44.6	41.4
01:40 AM - 01:45 AM	41.9	49.0	41.3
01:45 AM - 01:50 AM	53.8	66.7	41.3
01:50 AM - 01:55 AM	41.3	44.3	40.7
01:55 AM - 02:00 AM	41.0	45.4	40.2
02:00 AM - 02:05 AM	40.7	47.8	40.1
02:05 AM - 02:10 AM	40.5	51.2	39.9
02:10 AM - 02:15 AM	37.4	44.1	38.3
02:15 AM - 02:20 AM	38.8	44.7	38.1
02:20 AM - 02:25 AM	39.6	53.2	38.2
02:25 AM - 02:30 AM	40.7	52.7	38.3
02:30 AM - 02:35 AM	38.2	49.4	37.3
02:35 AM - 02:40 AM	38.2	52.2	37.5
02:40 AM - 02:45 AM	38.4	42.8	36.6
02:45 AM - 02:50 AM	39.7	49.4	37.9
02:50 AM - 02:55 AM	38.8	54.1	37.9
02:55 AM - 03:00 AM	38.9	45.2	37.5
03:00 AM - 03:05 AM	38.1	40.5	37.3
03:05 AM - 03:10 AM	39.9	53.1	37.1
03:10 AM - 03:15 AM	37.9	44.2	37.2
03:15 AM - 03:20 AM	38.1	51.5	38.2
03:20 AM - 03:25 AM	38.3	40.9	37.4
03:25 AM - 03:30 AM	38.0	50.4	37.0
03:30 AM - 03:35 AM	42.0	51.4	38.0

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017287-1

P/O : 4210005772
Project Name : Factory License No.1041000012343_EIA Monitoring
Project Location : Page 3 of 3

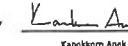
Sample No. 2454492-22
Parameter Noise
Location 1km/100m/100m (GPS 46Q 280220, 1889088) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	39.7	47.1	37.8
03:40 AM - 03:45 AM	41.1	42.4	37.0
03:45 AM - 03:50 AM	39.9	50.8	37.7
03:50 AM - 03:55 AM	38.8	49.8	37.5
03:55 AM - 04:00 AM	40.1	52.6	37.5
04:00 AM - 04:05 AM	38.7	49.2	36.8
04:05 AM - 04:10 AM	38.9	48.7	36.8
04:10 AM - 04:15 AM	41.3	52.7	37.8
04:15 AM - 04:20 AM	42.8	56.4	37.2
04:20 AM - 04:25 AM	41.1	54.9	37.1
04:25 AM - 04:30 AM	42.7	56.2	37.7
04:30 AM - 04:35 AM	42.7	57.1	38.7
04:35 AM - 04:40 AM	41.1	55.0	38.3
04:40 AM - 04:45 AM	41.9	52.5	38.0
04:45 AM - 04:50 AM	43.2	57.8	38.0
04:50 AM - 04:55 AM	40.7	56.5	40.5
04:55 AM - 05:00 AM	47.9	56.9	40.5
05:00 AM - 05:05 AM	50.2	59.4	43.0
05:05 AM - 05:10 AM	54.4	64.5	41.6
05:10 AM - 05:15 AM	52.4	69.2	43.0
05:15 AM - 05:20 AM	53.9	70.8	42.4
05:20 AM - 05:25 AM	53.7	69.9	44.8
05:25 AM - 05:30 AM	51.8	70.3	44.4
05:30 AM - 05:35 AM	53.7	68.0	44.3
05:35 AM - 05:40 AM	48.1	63.7	42.4
05:40 AM - 05:45 AM	49.5	61.0	42.4
05:45 AM - 05:50 AM	49.0	64.9	42.3
05:50 AM - 05:55 AM	50.3	71.5	42.5
05:55 AM - 06:00 AM	50.9	63.2	41.9
06:00 AM - 06:05 AM	52.4	74.3	42.1
06:05 AM - 06:10 AM	49.0	67.6	39.7
06:10 AM - 06:15 AM	49.2	69.9	40.9

Reference Method : 1. In-house method : STM 06-001 based on ISO 1996-1 : 2016

2. มาตรฐานวิธีวัดและประเมินค่าเสียง (การวัดเสียง) ตามข้อกำหนดของกรมควบคุมมลพิษ พ.ศ. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received Jun 04, 2024
Date Reported Jun 10, 2024
Report No. : 3017288-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454492-23
Parameter Noise
Location ในพื้นที่โรงงาน (GPS 48Q 280220, 1849088) (ในห้วง) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	48.6	63.9	42.3
10:00 AM - 11:00 AM	49.3	77.2	41.0
11:00 AM - 12:00 PM	50.4	75.0	42.1
12:00 PM - 01:00 PM	49.4	77.9	42.6
01:00 PM - 02:00 PM	50.2	68.2	43.1
02:00 PM - 03:00 PM	52.3	72.1	43.3
03:00 PM - 04:00 PM	49.9	69.1	41.9
04:00 PM - 05:00 PM	50.0	78.4	40.0
05:00 PM - 06:00 PM	55.8	83.6	42.1
06:00 PM - 07:00 PM	48.7	67.7	42.0
07:00 PM - 08:00 PM	46.1	64.1	42.8
08:00 PM - 09:00 PM	50.9	74.2	42.2
09:00 PM - 10:00 PM	46.3	68.1	42.3
10:00 PM - 10:55 PM	43.1	43.6	42.6
10:55 PM - 10:58 PM	42.3	50.5	41.8
10:58 PM - 10:59 PM	42.5	46.8	41.9
10:59 PM - 11:00 PM	42.4	49.1	42.0
11:00 PM - 11:05 PM	42.5	47.2	41.9
11:05 PM - 11:10 PM	42.5	46.1	41.9
11:10 PM - 11:15 PM	42.3	48.1	41.9
11:15 PM - 11:20 PM	42.2	46.9	41.7
11:20 PM - 11:25 PM	42.5	46.4	41.4
11:25 PM - 11:30 PM	42.4	53.0	41.0
11:30 PM - 11:35 PM	42.1	50.5	41.0
11:35 PM - 11:40 PM	42.4	52.5	41.0
11:40 PM - 11:45 PM	41.9	47.7	41.0
11:45 PM - 11:50 PM	42.9	45.9	41.2
11:50 PM - 11:55 PM	42.0	51.4	41.1
11:55 PM - 12:00 AM	42.6	51.7	41.2
12:00 AM - 12:05 AM	42.3	44.7	41.3
12:05 AM - 12:10 AM	42.6	43.6	41.9
12:10 AM - 12:15 AM	42.8	41.8	41.6
12:15 AM - 12:20 AM	42.1	46.8	41.7
12:20 AM - 12:25 AM	42.1	46.1	41.1

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
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Lot ID: 2454492
Date Received Jun 04, 2024
Date Reported Jun 10, 2024
Report No. : 3017288-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-23
Parameter Noise
Location ในพื้นที่โรงงาน (GPS 48Q 280220, 1849088) (ในห้วง) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	41.8	41.9	41.8
12:30 AM - 12:35 AM	41.9	46.7	41.3
12:35 AM - 12:40 AM	41.8	47.3	41.3
12:40 AM - 12:45 AM	42.6	49.2	41.8
12:45 AM - 12:50 AM	42.3	45.1	41.8
12:50 AM - 12:55 AM	42.8	44.5	42.2
12:55 AM - 01:00 AM	41.9	48.4	41.1
01:00 AM - 01:05 AM	42.5	48.0	41.3
01:05 AM - 01:10 AM	42.1	46.9	41.2
01:10 AM - 01:15 AM	42.8	41.9	41.3
01:15 AM - 01:20 AM	42.5	46.5	42.0
01:20 AM - 01:25 AM	42.2	54.6	42.1
01:25 AM - 01:30 AM	42.1	45.8	42.5
01:30 AM - 01:35 AM	42.5	43.3	41.9
01:35 AM - 01:40 AM	42.2	51.4	41.6
01:40 AM - 01:45 AM	42.3	45.7	41.7
01:45 AM - 01:50 AM	41.8	45.2	41.1
01:50 AM - 01:55 AM	42.3	52.0	41.2
01:55 AM - 02:00 AM	44.2	58.2	41.6
02:00 AM - 02:05 AM	46.0	49.0	41.0
02:05 AM - 02:10 AM	45.5	48.9	41.5
02:10 AM - 02:15 AM	45.5	49.7	41.4
02:15 AM - 02:20 AM	45.2	48.6	44.7
02:20 AM - 02:25 AM	45.3	49.4	44.2
02:25 AM - 02:30 AM	44.7	46.5	44.1
02:30 AM - 02:35 AM	45.1	51.4	44.3
02:35 AM - 02:40 AM	45.4	50.9	44.5
02:40 AM - 02:45 AM	45.2	47.3	44.5
02:45 AM - 02:50 AM	45.5	47.5	44.6
02:50 AM - 02:55 AM	45.6	53.6	44.7
02:55 AM - 03:00 AM	45.3	47.7	44.6
03:00 AM - 03:05 AM	45.4	54.3	44.5
03:05 AM - 03:10 AM	45.5	55.4	44.7
03:10 AM - 03:15 AM	45.3	48.9	44.4
03:15 AM - 03:20 AM	44.8	46.9	43.6
03:20 AM - 03:25 AM	45.3	52.5	44.4
03:25 AM - 03:30 AM	44.8	47.5	43.9
03:30 AM - 03:35 AM	45.9	51.4	44.9
03:35 AM - 03:40 AM	46.1	48.7	44.4

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Approved by

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received Jun 04, 2024
Date Reported Jun 10, 2024
Report No. : 3017288-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454492-23
Parameter Noise
Location ในพื้นที่โรงงาน (GPS 48Q 280220, 1849088) (ในห้วง) (Shut down)
Measurement Date May 26 - 27, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	42.4	55.7	38.9
03:40 AM - 03:45 AM	39.6	47.1	38.7
03:45 AM - 03:50 AM	39.3	51.3	37.3
03:50 AM - 03:55 AM	39.1	51.1	37.1
03:55 AM - 04:00 AM	38.9	51.3	36.6
04:00 AM - 04:05 AM	38.8	51.5	35.8
04:05 AM - 04:10 AM	38.1	52.1	36.4
04:10 AM - 04:15 AM	40.3	51.0	36.6
04:15 AM - 04:20 AM	41.3	52.9	37.2
04:20 AM - 04:25 AM	42.1	54.1	36.5
04:25 AM - 04:30 AM	41.3	53.2	36.9
04:30 AM - 04:35 AM	41.2	53.4	37.7
04:35 AM - 04:40 AM	43.5	57.5	37.5
04:40 AM - 04:45 AM	42.1	46.3	38.0
04:45 AM - 04:50 AM	42.1	54.7	37.2
04:50 AM - 04:55 AM	43.8	54.7	37.9
04:55 AM - 05:00 AM	46.6	59.2	40.0
05:00 AM - 05:05 AM	55.0	66.7	43.4
05:05 AM - 05:10 AM	52.9	69.6	42.6
05:10 AM - 05:15 AM	53.9	71.6	42.9
05:15 AM - 05:20 AM	53.0	78.5	44.1
05:20 AM - 05:25 AM	55.6	76.9	45.0
05:25 AM - 05:30 AM	50.4	63.9	43.6
05:30 AM - 05:35 AM	53.0	71.3	46.4
05:35 AM - 05:40 AM	51.3	72.5	44.0
05:40 AM - 05:45 AM	48.9	62.7	43.7
05:45 AM - 05:50 AM	54.9	68.9	43.1
05:50 AM - 05:55 AM	51.8	65.9	41.1
05:55 AM - 06:00 AM	51.9	65.5	44.0
06:00 AM - 06:05 AM	50.9	69.5	42.4
06:05 AM - 06:10 AM	51.9	70.8	41.5
06:10 AM - 06:15 AM	51.2	71.2	41.5

Reference Method
1. In-house Method: STMA 06-001, based on ISO 1996-1:2016
2. ในห้วง: Method: STMA 06-001, based on ISO 1996-1:2016

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Approved by

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received Jun 04, 2024
Date Reported Jun 10, 2024
Report No. : 3017288-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-24
Parameter Noise
Location ในพื้นที่โรงงาน (GPS 48Q 280220, 1849088) (ในห้วง) (Shut down)
Measurement Date May 27 - 28, 2024
Measurement by Sangtawan Natasat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 09:05 AM	58.4	62.3	41.7
09:05 AM - 09:10 AM	49.4	67.6	39.7
09:10 AM - 09:15 AM	49.3	78.5	42.7
09:15 AM - 09:20 AM	48.5	82.1	41.2
09:20 AM - 09:25 AM	47.7	66.4	40.8
09:25 AM - 09:30 AM	47.3	75.0	40.1
09:30 AM - 09:35 AM	46.0	66.8	39.0
09:35 AM - 09:40 AM	47.3	55.5	40.8
09:40 AM - 09:45 AM	42.8	46.3	41.5
09:45 AM - 09:50 AM	47.1	48.1	41.1
09:50 AM - 09:55 AM	44.2	59.5	42.4
09:55 AM - 10:00 AM	48.4	63.8	44.8
10:00 PM - 10:05 PM	46.8	60.8	43.5
10:05 PM - 10:10 PM	46.9	53.7	43.6
10:10 PM - 10:15 PM	46.9	51.9	43.8
10:15 PM - 10:20 PM	47.2	55.0	45.6
10:20 PM - 10:25 PM	46.1	56.5	44.2
10:25 PM - 10:30 PM	47.2	49.7	46.0
10:30 PM - 10:35 PM	46.3	51.0	44.1
10:35 PM - 10:40 PM	46.9	54.4	44.6
10:40 PM - 10:45 PM	47.1	55.0	45.8
10:45 PM - 10:50 PM	47.3	59.0	45.5
10:50 PM - 10:55 PM	46.4	49.1	44.3
10:55 PM - 11:00 PM	47.1	60.4	45.8
11:00 PM - 11:05 PM	46.9	50.6	45.8
11:05 PM - 11:10 PM	47.1	56.3	45.1
11:10 PM - 11:15 PM	47.4	53.8	45.6
11:15 PM - 11:20 PM	46.5	51.0	45.2
11:20 PM - 11:25 PM	47.3	52.5	41.3
11:25 PM - 11:30 PM	42.8	53.9	41.2
11:30 PM - 11:35 PM	42.5	54.1	41.2
11:35 PM - 11:40 PM	42.5	52.6	41.5
11:40 PM - 11:45 PM	41.9	49.3	40.8
11:45 PM - 11:50 PM	41.5	52.0	40.4
11:50 PM - 11:55 PM	42.3	54.2	41.0
11:55 PM - 12:00 AM	42.3	47.7	42.3
12:00 AM - 12:05 AM	42.5	58.9	41.9
12:05 AM - 12:10 AM	42.8	46.2	42.0
12:10 AM - 12:15 AM	43.9	58.0	41.9

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Approved by

Kasikorn Anet
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017290-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454492-24
Parameter : Noise
Location : ในพื้นที่โครงการ (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:30 AM	42.7	49.0	41.9
12:30 AM - 12:45 AM	42.7	48.9	41.7
12:45 AM - 12:59 AM	42.5	50.0	41.8
12:59 AM - 01:00 AM	42.6	63.1	41.4
01:00 AM - 01:15 AM	41.8	48.0	41.1
01:15 AM - 01:30 AM	41.8	55.5	41.5
01:30 AM - 01:45 AM	42.6	53.5	41.2
01:45 AM - 01:59 AM	42.9	54.8	41.0
01:59 AM - 02:00 AM	42.9	53.4	41.0
02:00 AM - 02:15 AM	42.7	52.8	41.8
02:15 AM - 02:30 AM	42.9	48.7	41.5
02:30 AM - 02:45 AM	42.1	59.2	42.5
02:45 AM - 02:59 AM	44.0	57.1	42.3
02:59 AM - 03:00 AM	42.6	45.9	41.9
03:00 AM - 03:15 AM	42.9	50.0	42.1
03:15 AM - 03:30 AM	41.5	46.3	42.9
03:30 AM - 03:45 AM	42.7	49.8	42.8
03:45 AM - 03:59 AM	43.5	49.6	42.1
03:59 AM - 04:00 AM	43.4	54.4	42.3
04:00 AM - 04:15 AM	43.0	49.9	41.8
04:15 AM - 04:30 AM	43.8	51.4	41.9
04:30 AM - 04:45 AM	43.0	49.5	42.6
04:45 AM - 04:59 AM	43.0	49.3	41.8
04:59 AM - 05:00 AM	43.0	51.4	41.9
05:00 AM - 05:15 AM	42.8	54.8	42.4
05:15 AM - 05:30 AM	42.4	53.5	40.6
05:30 AM - 05:45 AM	41.5	62.1	40.4
05:45 AM - 05:59 AM	43.2	57.0	40.1
05:59 AM - 06:00 AM	41.2	49.8	40.1
06:00 AM - 06:15 AM	42.1	55.1	40.1
06:15 AM - 06:30 AM	40.9	50.1	40.1
06:30 AM - 06:45 AM	40.2	41.6	40.1
06:45 AM - 06:59 AM	39.9	46.5	38.9
06:59 AM - 07:00 AM	39.9	47.2	38.8
07:00 AM - 07:15 AM	39.9	51.8	38.7
07:15 AM - 07:30 AM	40.7	55.5	38.4
07:30 AM - 07:45 AM	40.0	58.4	37.8
07:45 AM - 07:59 AM	39.1	48.3	38.3
07:59 AM - 08:00 AM	39.9	58.8	38.4
08:00 AM - 08:15 AM	40.2	54.2	38.3

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Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017290-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454492-24
Parameter : Noise
Location : ในพื้นที่โครงการ (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:15 AM - 07:30 AM	40.3	53.2	38.6
07:30 AM - 07:45 AM	41.1	56.5	38.8
07:45 AM - 07:59 AM	39.2	46.7	38.1
07:59 AM - 08:00 AM	39.1	54.9	37.7
08:00 AM - 08:15 AM	39.6	51.4	37.3
08:15 AM - 08:30 AM	42.4	50.9	36.8
08:30 AM - 08:45 AM	42.5	60.4	36.4
08:45 AM - 08:59 AM	40.9	51.8	36.6
08:59 AM - 09:00 AM	40.7	48.5	39.2
09:00 AM - 09:15 AM	42.0	54.8	38.8
09:15 AM - 09:30 AM	44.7	61.6	37.7
09:30 AM - 09:45 AM	45.5	58.5	38.5
09:45 AM - 09:59 AM	40.6	58.7	36.8
09:59 AM - 10:00 AM	44.8	60.1	36.8
10:00 AM - 10:15 AM	41.8	60.2	36.8
10:15 AM - 10:30 AM	43.7	61.4	39.5
10:30 AM - 10:45 AM	50.4	64.2	40.8
10:45 AM - 10:59 AM	54.3	61.9	42.9
10:59 AM - 11:00 AM	55.8	68.1	43.2
11:00 AM - 11:15 AM	54.7	66.2	40.5
11:15 AM - 11:30 AM	55.3	74.0	42.0
11:30 AM - 11:45 AM	55.8	66.7	40.4
11:45 AM - 11:59 AM	55.8	70.4	47.0
11:59 AM - 12:00 AM	57.2	68.3	47.3
12:00 AM - 12:15 AM	51.8	68.7	45.7
12:15 AM - 12:30 AM	56.3	68.7	45.4
12:30 AM - 12:45 AM	57.2	63.8	45.8
12:45 AM - 12:59 AM	57.9	65.4	42.4
12:59 AM - 01:00 AM	55.9	67.2	40.3
01:00 AM - 01:15 AM	55.4	79.8	46.3
01:15 AM - 01:30 AM	54.8	71.5	45.9
01:30 AM - 01:45 AM	55.9	65.9	43.0

Reference Method :

1. In-house method : STH 04-011 based on ISO 1996-1: 2016
2. วัตถุประสงค์ของการทดสอบ (For) : เพื่อบันทึกและตรวจสอบระดับความเข้มของเสียงที่เกิดขึ้นจากโรงงานอุตสาหกรรม

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Approved by

Kasorn Anuk
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017290-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454492-25
Parameter : Noise
Location : ในพื้นที่โครงการ (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 28 - 29, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:15 AM - 07:30 AM	38.8	50.9	40.4
07:30 AM - 07:45 AM	39.5	59.8	40.7
07:45 AM - 07:59 AM	50.3	73.9	42.5
07:59 AM - 08:00 AM	50.8	68.4	41.4
08:00 AM - 08:15 AM	48.7	77.2	40.4
08:15 AM - 08:30 AM	50.6	79.1	41.5
08:30 AM - 08:45 AM	51.4	66.2	40.9
08:45 AM - 08:59 AM	51.4	78.8	41.2
08:59 AM - 09:00 AM	52.5	76.8	42.1
09:00 AM - 09:15 AM	50.1	84.7	41.0
09:15 AM - 09:30 AM	47.5	74.7	41.3
09:30 AM - 09:45 AM	49.0	83.7	43.1
09:45 AM - 09:59 AM	45.5	59.5	44.1
09:59 AM - 10:00 AM	45.6	52.4	44.3
10:00 AM - 10:15 AM	45.6	55.6	44.5
10:15 AM - 10:30 AM	45.9	53.7	44.3
10:30 AM - 10:45 AM	45.3	55.2	42.9
10:45 AM - 10:59 AM	45.7	55.6	41.3
10:59 AM - 11:00 AM	45.9	46.4	44.7
11:00 AM - 11:15 AM	49.4	59.7	42.8
11:15 AM - 11:30 AM	45.6	53.7	41.3
11:30 AM - 11:45 AM	45.4	57.7	44.2
11:45 AM - 11:59 AM	45.1	50.9	41.0
11:59 AM - 12:00 AM	45.8	59.1	44.5
12:00 AM - 12:15 AM	45.5	49.3	44.5
12:15 AM - 12:30 AM	45.8	49.0	44.5
12:30 AM - 12:45 AM	46.1	52.5	44.3
12:45 AM - 12:59 AM	45.2	49.7	44.0
12:59 AM - 01:00 AM	46.5	51.2	41.9
01:00 AM - 01:15 AM	41.5	52.4	39.9
01:15 AM - 01:30 AM	41.2	52.8	39.9
01:30 AM - 01:45 AM	41.2	51.3	38.6
01:45 AM - 01:59 AM	40.3	48.0	37.6
01:59 AM - 02:00 AM	40.2	48.0	37.6
02:00 AM - 02:15 AM	40.2	50.2	37.1
02:15 AM - 02:30 AM	41.0	53.0	37.1
02:30 AM - 02:45 AM	41.6	46.4	40.0
02:45 AM - 02:59 AM	41.2	47.4	40.6
02:59 AM - 03:00 AM	41.5	44.9	40.7
03:00 AM - 03:15 AM	42.2	57.3	40.6

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Approved by

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Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017290-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454492-25
Parameter : Noise
Location : ในพื้นที่โครงการ (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 28 - 29, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:30 AM	41.4	47.7	40.4
12:30 AM - 12:45 AM	41.0	47.5	40.4
12:45 AM - 12:59 AM	41.2	48.7	40.5
12:59 AM - 01:00 AM	41.3	61.8	40.1
01:00 AM - 01:15 AM	40.5	46.7	39.8
01:15 AM - 01:30 AM	42.5	54.2	40.2
01:30 AM - 01:45 AM	41.3	54.2	40.2
01:45 AM - 01:59 AM	41.5	51.5	40.7
01:59 AM - 02:00 AM	42.3	50.1	39.7
02:00 AM - 02:15 AM	41.4	51.5	40.5
02:15 AM - 02:30 AM	41.9	47.4	40.9
02:30 AM - 02:45 AM	42.2	57.9	41.3
02:45 AM - 02:59 AM	42.7	55.8	41.0
02:59 AM - 03:00 AM	41.3	44.6	40.6
03:00 AM - 03:15 AM	41.6	48.7	40.8
03:15 AM - 03:30 AM	42.3	45.0	41.6
03:30 AM - 03:45 AM	42.4	48.5	41.5
03:45 AM - 03:59 AM	42.2	48.3	40.8
03:59 AM - 04:00 AM	42.1	53.1	41.0
04:00 AM - 04:15 AM	41.7	48.6	40.5
04:15 AM - 04:30 AM	41.0	52.1	40.6
04:30 AM - 04:45 AM	40.0	58.6	41.3
04:45 AM - 04:59 AM	40.6	56.4	42.5
04:59 AM - 05:00 AM	41.7	60.1	42.6
05:00 AM - 05:15 AM	41.5	53.5	40.8
05:15 AM - 05:30 AM	41.1	50.2	39.3
05:30 AM - 05:45 AM	40.2	60.8	39.1
05:45 AM - 05:59 AM	41.3	55.7	38.8
05:59 AM - 06:00 AM	39.9	48.5	38.8
06:00 AM - 06:15 AM	40.8	53.8	38.8
06:15 AM - 06:30 AM	40.5	48.8	38.8
06:30 AM - 06:45 AM	40.5	60.3	38.9
06:45 AM - 06:59 AM	38.9	43.2	37.6
06:59 AM - 07:00 AM	38.6	45.9	37.5
07:00 AM - 07:15 AM	39.4	54.2	37.1
07:15 AM - 07:30 AM	37.9	57.0	36.5
07:30 AM - 07:45 AM	38.6	49.5	37.1
07:45 AM - 07:59 AM	38.9	52.9	37.0

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Approved by

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No : 3017290-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 2454492-25
Parameter Noise
Location ในพื้นที่อุตสาหกรรม (GPS 48Q 280220, 1889088) (ในร่ม) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	39.0	51.9	37.3
03:40 AM - 03:45 AM	39.8	53.2	37.5
03:45 AM - 03:50 AM	37.9	45.8	36.8
03:50 AM - 03:55 AM	37.8	51.6	36.4
03:55 AM - 04:00 AM	38.3	50.1	36.9
04:00 AM - 04:05 AM	41.1	57.6	38.5
04:05 AM - 04:10 AM	41.2	59.1	39.1
04:10 AM - 04:15 AM	39.6	52.5	37.3
04:15 AM - 04:20 AM	39.4	47.3	37.8
04:20 AM - 04:25 AM	40.7	53.5	37.5
04:25 AM - 04:30 AM	43.4	60.3	38.4
04:30 AM - 04:35 AM	44.2	57.2	37.2
04:35 AM - 04:40 AM	42.3	57.4	35.5
04:40 AM - 04:45 AM	42.5	58.8	35.5
04:45 AM - 04:50 AM	44.5	59.4	36.4
04:50 AM - 04:55 AM	46.8	66.1	38.3
04:55 AM - 05:00 AM	49.1	62.9	39.5
05:00 AM - 05:05 AM	51.0	62.6	41.6
05:05 AM - 05:10 AM	54.5	66.8	43.9
05:10 AM - 05:15 AM	55.4	64.9	46.2
05:15 AM - 05:20 AM	55.1	72.7	45.7
05:20 AM - 05:25 AM	54.4	65.4	46.0
05:25 AM - 05:30 AM	54.5	68.1	45.7
05:30 AM - 05:35 AM	55.9	67.0	46.3
05:35 AM - 05:40 AM	54.5	67.4	44.4
05:40 AM - 05:45 AM	55.9	67.4	44.1
05:45 AM - 05:50 AM	52.3	69.4	44.6
05:50 AM - 05:55 AM	54.3	74.7	43.1
05:55 AM - 06:00 AM	53.6	65.9	47.0
06:00 AM - 07:00 AM	54.3	76.5	44.1
07:00 AM - 08:00 AM	53.3	75.2	44.6
08:00 AM - 09:00 AM	51.6	64.6	43.7

Reference Method :

- In-house method : STM 66-001 based on ISO 1996-1 : 2016
- ไม่พบการรบกวนจากแหล่งกำเนิดเสียงอื่นในบริเวณพื้นที่วัดเสียง

Approved by

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No : 3017291-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 2454492-26
Parameter Noise
Location ในพื้นที่อุตสาหกรรม (GPS 48Q 280220, 1889088) (ในร่ม) (Shut down)
Measurement Date May 28 - 30, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:35 AM - 09:40 AM	50.9	67.7	42.1
09:40 AM - 09:45 AM	51.7	69.3	42.4
09:45 AM - 09:50 AM	49.5	71.0	42.0
09:50 AM - 09:55 AM	50.2	70.5	40.6
09:55 AM - 10:00 AM	49.7	65.4	40.5
10:00 AM - 10:05 AM	51.7	75.1	39.9
10:05 AM - 10:10 AM	48.8	67.3	39.5
10:10 AM - 10:15 AM	50.9	69.9	40.6
10:15 AM - 10:20 AM	52.5	77.1	42.9
10:20 AM - 10:25 AM	50.2	72.3	42.8
10:25 AM - 10:30 AM	47.2	64.3	41.1
10:30 AM - 10:35 AM	48.1	72.6	41.3
10:35 AM - 10:40 AM	47.6	67.2	41.8
10:40 AM - 10:45 AM	41.0	68.3	40.1
10:45 AM - 10:50 AM	41.4	59.3	40.6
10:50 AM - 10:55 AM	41.1	44.1	40.5
10:55 AM - 11:00 AM	42.5	58.6	40.7
11:00 AM - 11:05 AM	51.9	64.8	40.9
11:05 AM - 11:10 AM	41.4	58.3	40.6
11:10 AM - 11:15 AM	40.9	51.9	40.1
11:15 AM - 11:20 AM	41.3	49.2	40.2
11:20 AM - 11:25 AM	41.9	63.5	40.7
11:25 AM - 11:30 AM	41.1	50.0	40.6
11:30 AM - 11:35 AM	43.0	49.6	39.6
11:35 AM - 11:40 AM	43.9	45.9	39.2
11:40 AM - 11:45 AM	40.3	49.4	39.4
11:45 AM - 11:50 AM	40.4	48.6	39.5
11:50 AM - 11:55 AM	40.3	51.5	39.7
11:55 AM - 12:00 AM	44.4	51.2	41.1
12:00 AM - 12:05 AM	42.8	48.3	41.7
12:05 AM - 12:10 AM	42.1	47.4	40.8
12:10 AM - 12:15 AM	41.5	51.5	39.6
12:15 AM - 12:20 AM	40.5	43.9	39.5
12:20 AM - 12:25 AM	40.8	54.4	39.6
12:25 AM - 12:30 AM	41.1	48.1	40.1
12:30 AM - 12:35 AM	40.4	48.1	39.9
12:35 AM - 12:40 AM	40.7	43.4	40.1
12:40 AM - 12:45 AM	40.5	52.9	39.9
12:45 AM - 12:50 AM	40.9	44.6	40.1
12:50 AM - 12:55 AM	41.2	51.9	40.2

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No : 3017291-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 2454492-26
Parameter Noise
Location ในพื้นที่อุตสาหกรรม (GPS 48Q 280220, 1889088) (ในร่ม) (Shut down)
Measurement Date May 28 - 30, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	41.0	47.5	39.4
12:20 AM - 12:25 AM	41.6	44.9	41.0
12:25 AM - 12:30 AM	42.3	46.9	41.8
12:30 AM - 12:35 AM	41.1	47.3	40.6
12:35 AM - 12:40 AM	40.9	46.8	40.2
12:40 AM - 12:45 AM	44.2	54.4	41.4
12:45 AM - 12:50 AM	44.5	54.7	43.1
12:50 AM - 12:55 AM	43.2	59.7	43.5
12:55 AM - 01:00 AM	43.6	50.7	44.5
01:00 AM - 01:05 AM	42.1	59.1	44.5
01:05 AM - 01:10 AM	46.0	58.7	43.8
01:10 AM - 01:15 AM	45.3	55.1	44.3
01:15 AM - 01:20 AM	44.6	49.2	42.9
01:20 AM - 01:25 AM	50.4	62.9	42.8
01:25 AM - 01:30 AM	44.5	52.6	43.0
01:30 AM - 01:35 AM	42.4	60.6	40.2
01:35 AM - 01:40 AM	40.1	56.5	39.2
01:40 AM - 01:45 AM	39.8	57.7	38.9
01:45 AM - 01:50 AM	38.9	62.8	38.3
01:50 AM - 01:55 AM	39.9	50.9	38.6
01:55 AM - 02:00 AM	38.6	43.8	37.9
02:00 AM - 02:05 AM	39.6	39.2	39.0
02:05 AM - 02:10 AM	40.9	52.9	38.5
02:10 AM - 02:15 AM	38.4	59.2	39.0
02:15 AM - 02:20 AM	39.4	52.2	38.6
02:20 AM - 02:25 AM	40.9	54.8	38.9
02:25 AM - 02:30 AM	39.4	54.0	38.1
02:30 AM - 02:35 AM	38.8	53.7	37.8
02:35 AM - 02:40 AM	39.1	47.8	37.8
02:40 AM - 02:45 AM	40.9	54.0	38.1
02:45 AM - 02:50 AM	41.3	57.0	39.3
02:50 AM - 02:55 AM	40.4	47.2	39.4
02:55 AM - 03:00 AM	41.1	62.0	39.3
03:00 AM - 03:05 AM	40.2	51.1	39.4
03:05 AM - 03:10 AM	40.8	57.7	38.8
03:10 AM - 03:15 AM	40.9	42.8	39.8
03:15 AM - 03:20 AM	41.2	56.7	39.4
03:20 AM - 03:25 AM	41.8	56.5	39.2
03:25 AM - 03:30 AM	40.4	46.7	39.5

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Analysis / Test Report

Client : Kasit Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received : Jun 04, 2024
Date Reported : Jun 10, 2024
Report No : 3017291-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EIA Monitoring
Project Location :

Sample No. 2454492-26
Parameter Noise
Location ในพื้นที่อุตสาหกรรม (GPS 48Q 280220, 1889088) (ในร่ม) (Shut down)
Measurement Date May 28 - 30, 2024
Measurement by Sanglavan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	41.6	59.4	39.4
03:40 AM - 03:45 AM	39.1	49.5	38.1
03:45 AM - 03:50 AM	41.8	51.8	39.8
03:50 AM - 03:55 AM	41.4	58.4	39.1
03:55 AM - 04:00 AM	38.2	46.5	37.1
04:00 AM - 04:05 AM	33.2	51.2	37.7
04:05 AM - 04:10 AM	41.2	58.4	39.0
04:10 AM - 04:15 AM	42.9	58.7	42.9
04:15 AM - 04:20 AM	42.3	55.5	39.9
04:20 AM - 04:25 AM	40.9	55.1	39.3
04:25 AM - 04:30 AM	40.8	55.1	39.0
04:30 AM - 04:35 AM	39.8	56.2	38.7
04:35 AM - 04:40 AM	44.9	59.8	39.8
04:40 AM - 04:45 AM	42.8	57.9	39.9
04:45 AM - 04:50 AM	45.7	60.3	39.9
04:50 AM - 04:55 AM	49.3	63.8	40.5
04:55 AM - 05:00 AM	51.7	63.7	42.8
05:00 AM - 05:05 AM	53.2	55.0	43.5
05:05 AM - 05:10 AM	52.6	66.2	42.1
05:10 AM - 05:15 AM	54.3	63.7	43.4
05:15 AM - 05:20 AM	53.4	67.9	42.2
05:20 AM - 05:25 AM	56.1	68.0	45.6
05:25 AM - 05:30 AM	55.1	62.5	45.5
05:30 AM - 05:35 AM	54.9	66.5	45.6
05:35 AM - 05:40 AM	55.6	65.9	45.7
05:40 AM - 05:45 AM	53.1	66.6	44.4
05:45 AM - 05:50 AM	51.5	64.1	44.2
05:50 AM - 05:55 AM	52.1	65.2	43.5
05:55 AM - 06:00 AM	51.1	67.8	41.7
06:00 AM - 07:00 AM	51.2	74.4	41.0
07:00 AM - 08:00 AM	51.1	69.7	42.9
08:00 AM - 09:00 AM	51.3	71.7	41.6

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017292-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natsal

Page 1 of 3

Sample No. : 2454492-27
Parameter : Noise
Location : โรงสีน้ำตาลทรายขาว (GPS 48Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 30 - 31, 2024
Measurement by : Sanglavan Natsal
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	50.9	63.1	42.7
10:00 AM - 11:00 AM	51.1	72.8	42.0
11:00 AM - 12:00 PM	49.9	68.4	42.1
12:00 PM - 01:00 PM	50.5	69.1	42.4
01:00 PM - 02:00 PM	51.6	72.9	42.0
02:00 PM - 03:00 PM	52.6	72.4	42.8
03:00 PM - 04:00 PM	50.2	64.6	42.5
04:00 PM - 05:00 PM	52.2	78.3	43.1
05:00 PM - 06:00 PM	50.4	78.5	42.5
06:00 PM - 07:00 PM	48.4	67.0	43.2
07:00 PM - 08:00 PM	46.1	73.3	43.3
08:00 PM - 09:00 PM	47.0	63.7	44.3
09:00 PM - 10:00 PM	47.5	59.9	42.5
10:00 PM - 10:55 PM	42.8	47.3	42.2
10:55 PM - 10:10 PM	42.6	46.2	42.0
10:10 PM - 10:15 PM	43.0	46.4	42.0
10:15 PM - 10:20 PM	41.8	39.9	42.4
10:20 PM - 10:25 PM	42.2	46.8	41.4
10:25 PM - 10:30 PM	42.2	45.1	41.5
10:30 PM - 10:35 PM	42.6	46.0	41.9
10:35 PM - 10:40 PM	42.7	46.7	41.9
10:40 PM - 10:45 PM	43.9	59.3	42.2
10:45 PM - 10:50 PM	42.9	39.3	42.0
10:50 PM - 10:55 PM	42.9	51.7	42.0
10:55 PM - 11:00 PM	42.9	39.1	42.0
11:00 PM - 11:05 PM	42.7	45.9	42.0
11:05 PM - 11:10 PM	41.3	33.1	41.8
11:10 PM - 11:15 PM	41.6	49.2	40.9
11:15 PM - 11:20 PM	42.5	60.4	41.4
11:20 PM - 11:25 PM	42.0	46.1	41.4
11:25 PM - 11:30 PM	42.2	46.0	41.7
11:30 PM - 11:35 PM	41.8	46.2	41.3
11:35 PM - 11:40 PM	42.8	54.9	41.9
11:40 PM - 11:45 PM	41.7	45.6	41.1
11:45 PM - 11:50 PM	41.7	44.5	41.0
11:50 PM - 11:55 PM	41.7	48.9	40.6
11:55 PM - 12:00 AM	42.7	49.7	41.9
12:00 AM - 12:05 AM	41.4	46.5	40.5
12:05 AM - 12:10 AM	44.8	58.9	40.4
12:10 AM - 12:15 AM	41.0	46.7	40.4

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017292-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natsal

Page 2 of 3

Sample No. : 2454492-27
Parameter : Noise
Location : โรงสีน้ำตาลทรายขาว (GPS 48Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 30 - 31, 2024
Measurement by : Sanglavan Natsal
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	40.9	44.4	40.2
12:20 AM - 12:25 AM	41.4	47.3	40.7
12:25 AM - 12:30 AM	41.3	49.6	40.3
12:30 AM - 12:35 AM	40.6	32.9	39.9
12:35 AM - 12:40 AM	40.2	46.9	39.5
12:40 AM - 12:45 AM	41.8	39.8	40.9
12:45 AM - 12:50 AM	42.1	39.9	40.1
12:50 AM - 12:55 AM	40.7	49.6	39.7
12:55 AM - 01:00 AM	40.5	46.4	39.9
01:00 AM - 01:05 AM	41.9	51.3	40.6
01:05 AM - 01:10 AM	45.4	54.8	40.5
01:10 AM - 01:15 AM	41.4	45.4	40.4
01:15 AM - 01:20 AM	42.9	40.2	40.2
01:20 AM - 01:25 AM	42.9	32.9	41.0
01:25 AM - 01:30 AM	41.0	40.2	40.2
01:30 AM - 01:35 AM	40.8	35.4	39.8
01:35 AM - 01:40 AM	41.4	60.5	41.1
01:40 AM - 01:45 AM	41.5	59.7	40.1
01:45 AM - 01:50 AM	42.1	52.2	40.6
01:50 AM - 01:55 AM	41.9	54.6	40.6
01:55 AM - 02:00 AM	40.3	45.8	39.7
02:00 AM - 02:05 AM	42.6	55.6	39.6
02:05 AM - 02:10 AM	40.8	39.4	39.4
02:10 AM - 02:15 AM	42.1	32.3	40.2
02:15 AM - 02:20 AM	40.3	51.3	39.1
02:20 AM - 02:25 AM	39.9	55.5	39.6
02:25 AM - 02:30 AM	41.1	54.1	39.3
02:30 AM - 02:35 AM	40.7	50.4	39.3
02:35 AM - 02:40 AM	45.6	62.8	38.8
02:40 AM - 02:45 AM	41.1	49.5	39.2
02:45 AM - 02:50 AM	33.9	55.9	38.8
02:50 AM - 02:55 AM	40.3	50.9	38.9
02:55 AM - 03:00 AM	40.2	52.3	38.4
03:00 AM - 03:05 AM	40.1	58.0	38.8
03:05 AM - 03:10 AM	46.7	60.8	38.9
03:10 AM - 03:15 AM	39.3	50.8	38.5
03:15 AM - 03:20 AM	39.9	54.1	38.5
03:20 AM - 03:25 AM	38.8	43.6	37.7
03:25 AM - 03:30 AM	40.4	53.7	37.9
03:30 AM - 03:35 AM	38.0	43.8	36.8

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Approved by :
Kanokkorn Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017292-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natsal

Page 1 of 3

Sample No. : 2454492-27
Parameter : Noise
Location : โรงสีน้ำตาลทรายขาว (GPS 48Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 30 - 31, 2024
Measurement by : Sanglavan Natsal
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	40.5	54.3	35.6
03:40 AM - 03:45 AM	37.3	43.5	36.2
03:45 AM - 03:50 AM	37.7	44.1	35.8
03:50 AM - 03:55 AM	37.9	46.7	35.5
03:55 AM - 04:00 AM	37.8	51.3	36.7
04:00 AM - 04:05 AM	39.6	46.9	37.8
04:05 AM - 04:10 AM	38.5	47.3	37.0
04:10 AM - 04:15 AM	40.0	52.9	37.0
04:15 AM - 04:20 AM	41.1	59.4	37.4
04:20 AM - 04:25 AM	41.6	54.0	36.9
04:25 AM - 04:30 AM	40.1	57.0	36.5
04:30 AM - 04:35 AM	40.9	54.6	36.9
04:35 AM - 04:40 AM	41.6	53.5	37.2
04:40 AM - 04:45 AM	44.5	55.8	37.8
04:45 AM - 04:50 AM	42.3	56.0	37.5
04:50 AM - 04:55 AM	45.0	59.6	38.3
04:55 AM - 05:00 AM	50.3	61.0	42.7
05:00 AM - 05:05 AM	55.0	57.6	45.5
05:05 AM - 05:10 AM	54.2	67.1	42.3
05:10 AM - 05:15 AM	52.9	65.4	44.3
05:15 AM - 05:20 AM	54.3	63.7	44.9
05:20 AM - 05:25 AM	54.4	56.9	45.9
05:25 AM - 05:30 AM	54.6	66.0	46.3
05:30 AM - 05:35 AM	53.4	66.2	45.6
05:35 AM - 05:40 AM	55.2	67.7	44.9
05:40 AM - 05:45 AM	53.5	66.6	44.6
05:45 AM - 05:50 AM	44.5	49.3	40.1
05:50 AM - 05:55 AM	44.2	53.5	40.1
05:55 AM - 06:00 AM	44.9	52.1	40.2
06:00 AM - 06:05 AM	46.6	61.1	40.1
06:05 AM - 06:10 AM	45.4	67.9	42.7
06:10 AM - 06:15 AM	50.7	70.5	42.7

Reference Method :
1. In-house method: STN 05-001 based on ISO 1996-1:2016
2. ฐานข้อมูลค่ามาตรฐานเสียงสำหรับโรงงานอุตสาหกรรมตามมาตรฐานของกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2567

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Approved by :
Kanokkorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017292-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natsal

Page 1 of 3

Sample No. : 2454492-28
Parameter : Noise
Location : โรงสีน้ำตาลทรายขาว (GPS 48Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sanglavan Natsal
Sound Level Meter : 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	51.3	78.2	43.5
10:00 AM - 11:00 AM	48.9	55.1	41.7
11:00 AM - 12:00 PM	53.0	83.8	42.6
12:00 PM - 01:00 PM	46.7	65.9	41.0
01:00 PM - 02:00 PM	50.0	78.9	42.9
02:00 PM - 03:00 PM	51.4	76.4	40.1
03:00 PM - 04:00 PM	50.5	66.5	41.1
04:00 PM - 05:00 PM	50.6	69.7	39.4
05:00 PM - 06:00 PM	51.9	68.4	40.7
06:00 PM - 07:00 PM	49.4	67.4	41.5
07:00 PM - 08:00 PM	45.2	60.2	44.4
08:00 PM - 09:00 PM	45.8	60.0	40.5
09:00 PM - 10:00 PM	41.1	67.9	39.7
10:00 PM - 10:05 PM	41.7	44.3	40.4
10:05 PM - 10:10 PM	42.0	58.6	41.4
10:10 PM - 10:15 PM	41.5	50.4	41.0
10:15 PM - 10:20 PM	45.5	53.5	41.2
10:20 PM - 10:25 PM	41.8	48.2	41.4
10:25 PM - 10:30 PM	41.9	49.0	41.2
10:30 PM - 10:35 PM	41.8	54.5	41.4
10:35 PM - 10:40 PM	42.1	46.5	41.7
10:40 PM - 10:45 PM	41.9	42.1	41.4
10:45 PM - 10:50 PM	41.6	52.2	41.0
10:50 PM - 10:55 PM	42.2	48.0	41.1
10:55 PM - 11:00 PM	42.5	46.3	41.8
11:00 PM - 11:05 PM	42.4	45.9	41.9
11:05 PM - 11:10 PM	42.6	60.9	41.9
11:10 PM - 11:15 PM	49.4	62.6	41.3
11:15 PM - 11:20 PM	48.7	61.9	41.4
11:20 PM - 11:25 PM	42.0	54.2	41.5
11:25 PM - 11:30 PM	42.2	44.9	41.6
11:30 PM - 11:35 PM	42.0	51.3	41.5
11:35 PM - 11:40 PM	41.6	51.6	41.3
11:40 PM - 11:45 PM	41.8	47.3	41.1
11:45 PM - 11:50 PM	41.1	44.5	40.4
11:50 PM - 11:55 PM	41.6	44.2	40.9
11:55 PM - 12:00 AM	41.3	44.1	40.8
12:00 AM - 12:05 AM	41.4	56.4	40.5
12:05 AM - 12:10 AM	41.9	45.4	40.3
12:10 AM - 12:15 AM	41.0	55.7	40.3

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017293-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EJA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-28
Parameter Noise
Location ตำบลบ้านกล้วย (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:15 AM - 12:20 AM	40.9	43.9	40.4
12:20 AM - 12:25 AM	41.2	43.6	40.4
12:25 AM - 12:30 AM	40.9	46.9	40.4
12:30 AM - 12:35 AM	41.6	51.6	40.8
12:35 AM - 12:40 AM	49.6	52.1	40.8
12:40 AM - 12:45 AM	41.6	49.2	40.3
12:45 AM - 12:50 AM	39.9	51.6	39.3
12:50 AM - 12:55 AM	40.5	42.3	39.4
12:55 AM - 01:00 AM	40.3	48.3	39.7
01:00 AM - 01:05 AM	40.4	51.6	39.2
01:05 AM - 01:10 AM	40.4	46.5	39.8
01:10 AM - 01:15 AM	39.9	46.4	39.2
01:15 AM - 01:20 AM	39.8	54.6	39.5
01:20 AM - 01:25 AM	38.8	41.9	38.4
01:25 AM - 01:30 AM	38.8	45.8	38.2
01:30 AM - 01:35 AM	38.3	46.3	37.8
01:35 AM - 01:40 AM	38.3	40.9	37.8
01:40 AM - 01:45 AM	38.3	49.3	37.7
01:45 AM - 01:50 AM	38.4	44.0	37.7
01:50 AM - 01:55 AM	39.1	47.9	37.5
01:55 AM - 02:00 AM	38.3	46.8	37.6
02:00 AM - 02:05 AM	38.4	47.6	37.8
02:05 AM - 02:10 AM	39.3	42.4	38.4
02:10 AM - 02:15 AM	39.8	43.7	38.3
02:15 AM - 02:20 AM	39.2	52.4	38.5
02:20 AM - 02:25 AM	39.3	59.1	37.9
02:25 AM - 02:30 AM	40.6	53.6	37.9
02:30 AM - 02:35 AM	41.4	55.2	37.8
02:35 AM - 02:40 AM	41.1	54.8	38.7
02:40 AM - 02:45 AM	39.8	42.9	36.5
02:45 AM - 02:50 AM	36.3	38.4	35.3
02:50 AM - 02:55 AM	36.5	46.7	35.2
02:55 AM - 03:00 AM	37.8	43.7	34.6
03:00 AM - 03:05 AM	37.4	54.7	34.6
03:05 AM - 03:10 AM	35.9	49.5	35.1
03:10 AM - 03:15 AM	36.8	40.5	35.2
03:15 AM - 03:20 AM	36.1	48.4	35.1
03:20 AM - 03:25 AM	37.3	52.4	35.3
03:25 AM - 03:30 AM	39.1	55.2	36.1
03:30 AM - 03:35 AM	37.8	53.2	35.3

The above results are valid only for the analyzed sample(s) as indicated in this report. No other test results or data are to be used for any purpose without written consent from the Laboratory. A Laboratory Seal (Signature) strongly recommends that this report is not reproduced or copied.

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454492
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017293-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EJA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454492-28
Parameter Noise
Location ตำบลบ้านกล้วย (GPS 40Q 280220, 1889088) (หน้าวัด) (Shut down)
Measurement Date May 31 - Jun 01, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 531294

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	41.1	54.7	33.9
03:40 AM - 03:45 AM	38.0	54.1	33.9
03:45 AM - 03:50 AM	38.9	53.5	35.1
03:50 AM - 03:55 AM	44.8	46.8	35.3
03:55 AM - 04:00 AM	35.9	35.9	34.9
04:00 AM - 04:05 AM	35.5	50.3	34.1
04:05 AM - 04:10 AM	35.3	43.4	34.0
04:10 AM - 04:15 AM	36.3	37.9	34.5
04:15 AM - 04:20 AM	37.7	37.7	35.1
04:20 AM - 04:25 AM	41.2	57.3	34.3
04:25 AM - 04:30 AM	42.9	59.1	35.0
04:30 AM - 04:35 AM	37.2	58.4	33.8
04:35 AM - 04:40 AM	44.8	63.4	37.5
04:40 AM - 04:45 AM	41.6	59.2	37.0
04:45 AM - 04:50 AM	45.9	59.2	37.4
04:50 AM - 04:55 AM	46.5	58.1	37.7
04:55 AM - 05:00 AM	49.9	61.2	41.5
05:00 AM - 05:05 AM	50.2	62.8	41.9
05:05 AM - 05:10 AM	51.5	67.2	41.1
05:10 AM - 05:15 AM	51.7	65.8	42.5
05:15 AM - 05:20 AM	54.5	65.7	45.4
05:20 AM - 05:25 AM	54.3	66.6	46.5
05:25 AM - 05:30 AM	52.7	65.0	46.2
05:30 AM - 05:35 AM	50.3	65.4	49.8
05:35 AM - 05:40 AM	50.0	66.5	45.8
05:40 AM - 05:45 AM	52.9	58.2	44.6
05:45 AM - 05:50 AM	51.9	64.1	43.8
05:50 AM - 05:55 AM	54.3	66.9	44.4
05:55 AM - 06:00 AM	51.6	64.2	43.9
06:00 AM - 06:05 AM	52.3	76.6	46.1
06:05 AM - 06:10 AM	46.7	66.1	41.1
06:10 AM - 06:15 AM	45.7	63.7	42.2

Reference Method :

- In-house method : STM 06-001 based on ISO 1996-1 : 2016
- ใช้วิธีการมาตรฐานภายใน (ใช้ STM 06-001) ตามมาตรฐาน ISO 1996-1 : 2016

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017304-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EJA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454497-1
Parameter Noise
Location ตำบลบ้านกล้วย (GPS 40Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	51.1	71.8	48.6
08:00 AM - 09:00 AM	54.6	73.8	50.7
09:00 AM - 10:00 AM	52.7	72.8	50.5
10:00 AM - 11:00 AM	52.8	70.4	49.6
11:00 AM - 12:00 PM	54.7	82.0	49.9
12:00 PM - 01:00 PM	52.3	71.0	48.7
01:00 PM - 02:00 PM	54.1	80.5	49.9
02:00 PM - 03:00 PM	55.2	83.4	50.7
03:00 PM - 04:00 PM	55.5	82.0	51.1
04:00 PM - 05:00 PM	54.1	75.7	50.5
05:00 PM - 06:00 PM	54.9	75.9	51.6
06:00 PM - 07:00 PM	55.7	79.1	50.6
07:00 PM - 08:00 PM	52.7	65.9	49.4
08:00 PM - 09:00 PM	50.2	57.3	47.2
09:00 PM - 10:00 PM	48.3	65.5	45.8
10:00 PM - 10:45 PM	47.3	62.6	45.8
10:45 PM - 11:00 PM	41.8	56.3	44.4
11:00 PM - 11:15 PM	46.7	53.9	45.0
11:15 PM - 11:30 PM	45.3	50.4	44.5
11:30 PM - 11:45 PM	45.8	51.4	44.4
11:45 PM - 12:00 AM	46.1	51.0	44.9
12:00 AM - 12:15 AM	45.8	53.1	44.3
12:15 AM - 12:30 AM	46.6	51.3	44.8
12:30 AM - 12:45 AM	46.5	58.1	44.0
12:45 PM - 12:50 PM	46.3	57.0	43.7
12:50 PM - 12:55 PM	46.6	55.7	43.9
12:55 PM - 11:00 PM	46.5	51.3	43.9
11:00 PM - 11:05 PM	45.4	50.4	43.9
11:05 PM - 11:10 PM	45.7	50.3	44.7
11:10 PM - 11:15 PM	45.8	50.7	44.8
11:15 PM - 11:20 PM	46.0	51.7	45.0
11:20 PM - 11:25 PM	46.2	51.5	44.6
11:25 PM - 11:30 PM	45.4	48.6	44.5
11:30 PM - 11:35 PM	47.2	54.1	45.4
11:35 PM - 11:40 PM	47.3	51.3	45.2
11:40 PM - 11:45 PM	47.0	50.2	44.6
11:45 PM - 11:50 PM	45.4	50.6	43.7
11:50 PM - 12:00 AM	45.7	52.6	44.1
12:00 AM - 12:05 AM	45.3	49.2	44.5

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017304-1

P/O : 4210005772
Project Name : Factory License No.1041000125343_EJA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454497-1
Parameter Noise
Location ตำบลบ้านกล้วย (GPS 40Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 25 - 26, 2024
Measurement by Sangtawan Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	48.6	52.5	44.7
12:10 AM - 12:15 AM	49.0	58.2	44.8
12:15 AM - 12:20 AM	46.8	51.6	44.7
12:20 AM - 12:25 AM	47.5	51.9	44.9
12:25 AM - 12:30 AM	48.5	52.7	46.3
12:30 AM - 12:35 AM	48.7	51.5	44.6
12:35 AM - 12:40 AM	45.2	50.1	44.1
12:40 AM - 12:45 AM	46.1	50.8	44.6
12:45 AM - 12:50 AM	46.2	47.7	44.7
12:50 AM - 12:55 AM	45.6	49.5	44.6
12:55 AM - 01:00 AM	45.3	55.6	43.8
01:00 AM - 01:05 AM	45.7	52.2	43.9
01:05 AM - 01:10 AM	45.9	45.9	43.4
01:10 AM - 01:15 AM	45.1	50.1	43.5
01:15 AM - 01:20 AM	45.4	49.2	44.0
01:20 AM - 01:25 AM	45.5	51.8	44.1
01:25 AM - 01:30 AM	47.2	59.9	44.7
01:30 AM - 01:35 AM	45.9	56.7	44.0
01:35 AM - 01:40 AM	45.2	56.2	44.2
01:40 AM - 01:45 AM	45.6	51.7	44.4
01:45 AM - 01:50 AM	44.9	48.2	44.0
01:50 AM - 01:55 AM	45.8	55.2	43.8
01:55 AM - 02:00 AM	45.1	52.5	44.4
02:00 AM - 02:05 AM	45.3	50.8	44.0
02:05 AM - 02:10 AM	45.2	51.2	44.1
02:10 AM - 02:15 AM	44.5	48.0	43.7
02:15 AM - 02:20 AM	43.6	51.0	44.0
02:20 AM - 02:25 AM	45.0	49.4	44.1
02:25 AM - 02:30 AM	44.5	49.0	43.5
02:30 AM - 02:35 AM	44.0	47.3	44.1
02:35 AM - 02:40 AM	43.0	47.5	44.3
02:40 AM - 02:45 AM	45.4	51.5	44.6
02:45 AM - 02:50 AM	45.1	49.5	44.6
02:50 AM - 02:55 AM	46.1	52.8	43.9
02:55 AM - 03:00 AM	47.6	58.5	45.1
03:00 AM - 03:05 AM	46.7	55.2	44.2
03:05 AM - 03:10 AM	46.0	51.8	44.6
03:10 AM - 03:15 AM	45.9	54.6	44.6
03:15 AM - 03:20 AM	46.1	59.8	44.5
03:20 AM - 03:25 AM	46.2	53.6	44.6

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017305-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454497-1
Parameter : Noise
Location : หอพักผู้ปฏิบัติงานบริเวณ (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 25 - 26, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	45.8	49.1	44.8
03:30 AM - 03:35 AM	46.5	53.4	44.8
03:35 AM - 03:40 AM	46.3	49.6	45.3
03:40 AM - 03:45 AM	46.3	53.8	45.8
03:45 AM - 03:50 AM	45.6	52.3	44.7
03:50 AM - 03:55 AM	46.3	52.8	44.9
03:55 AM - 04:00 AM	46.2	52.3	44.3
04:00 AM - 04:05 AM	46.9	52.9	45.6
04:05 AM - 04:10 AM	47.1	59.5	45.3
04:10 AM - 04:15 AM	46.3	51.8	45.3
04:15 AM - 04:20 AM	47.9	57.5	45.6
04:20 AM - 04:25 AM	46.7	57.6	45.4
04:25 AM - 04:30 AM	46.4	54.8	45.1
04:30 AM - 04:35 AM	45.9	50.9	45.0
04:35 AM - 04:40 AM	46.1	51.8	44.8
04:40 AM - 04:45 AM	47.3	61.6	45.3
04:45 AM - 04:50 AM	46.3	58.5	45.2
04:50 AM - 04:55 AM	46.1	51.1	45.3
04:55 AM - 05:00 AM	47.7	62.4	45.7
05:00 AM - 05:05 AM	46.6	52.2	45.4
05:05 AM - 05:10 AM	47.2	56.7	45.7
05:10 AM - 05:15 AM	47.8	57.4	45.8
05:15 AM - 05:20 AM	47.3	59.5	45.4
05:20 AM - 05:25 AM	48.0	61.6	45.7
05:25 AM - 05:30 AM	48.9	66.7	46.3
05:30 AM - 05:35 AM	47.9	59.8	45.8
05:35 AM - 05:40 AM	49.3	62.7	46.9
05:40 AM - 05:45 AM	50.3	68.8	46.4
05:45 AM - 05:50 AM	51.4	68.1	45.7
05:50 AM - 05:55 AM	48.6	61.8	46.0
05:55 AM - 06:00 AM	49.8	57.9	46.4
06:00 AM - 07:00 AM	56.7	76.4	49.5

Reference Method : 1. In-house method: STN 06-001 based on ISO 1996-1: 2016
2. อุปกรณ์การวัดและมาตรฐานที่ใช้ในการทดสอบได้รับการตรวจสอบและรับรองโดย 24 ชั่วโมง การวัดและมาตรฐานการทดสอบได้รับการรับรองโดย ม.ร. 2567

Approved by 
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017305-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. : 2454497-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงานบริเวณ (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 26 - 27, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	52.6	77.1	48.0
08:00 AM - 09:00 AM	51.1	73.3	46.9
09:00 AM - 10:00 AM	50.3	71.9	46.6
10:00 AM - 11:00 AM	50.6	73.3	46.7
11:00 AM - 12:00 PM	50.4	76.3	47.3
12:00 PM - 01:00 PM	49.1	68.3	45.5
01:00 PM - 02:00 PM	50.4	79.4	46.7
02:00 PM - 03:00 PM	49.3	66.8	46.5
03:00 PM - 04:00 PM	58.1	78.1	45.9
04:00 PM - 05:00 PM	48.8	71.3	46.2
05:00 PM - 06:00 PM	50.4	68.6	46.8
06:00 PM - 07:00 PM	53.8	75.4	47.6
07:00 PM - 08:00 PM	51.0	66.8	46.2
08:00 PM - 09:00 PM	49.3	64.8	47.3
09:00 PM - 10:00 PM	47.9	63.2	46.0
10:00 PM - 10:35 PM	47.3	63.3	45.6
10:35 PM - 10:55 PM	46.5	54.5	45.6
10:55 PM - 11:15 PM	46.1	55.2	44.1
11:15 PM - 11:25 PM	45.9	52.7	44.5
11:25 PM - 11:35 PM	46.2	53.1	45.8
11:35 PM - 11:50 PM	46.5	56.3	45.2
11:50 PM - 12:05 PM	47.8	54.9	45.7
12:05 PM - 12:40 PM	46.7	51.9	45.7
12:40 PM - 12:45 PM	45.8	49.4	45.0
12:45 PM - 12:50 PM	47.4	52.9	45.4
12:50 PM - 01:05 PM	45.8	48.9	45.2
01:05 PM - 11:00 PM	46.7	51.6	45.7
11:00 PM - 11:05 PM	48.8	56.3	46.0
11:05 PM - 11:10 PM	48.4	56.1	45.6
11:10 PM - 11:15 PM	47.8	53.1	46.3
11:15 PM - 11:20 PM	47.2	54.8	45.6
11:20 PM - 11:25 PM	47.3	53.3	46.8
11:25 PM - 11:30 PM	47.1	53.9	45.7
11:30 PM - 11:35 PM	46.6	49.8	45.7
11:35 PM - 11:40 PM	47.3	53.2	46.0
11:40 PM - 11:45 PM	47.0	52.2	46.0
11:45 PM - 11:50 PM	45.9	56.7	44.7
11:50 PM - 11:55 PM	45.1	50.3	44.1
11:55 PM - 12:00 AM	46.8	54.2	44.5
12:00 AM - 12:05 AM	47.3	64.7	45.8

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017305-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. : 2454497-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงานบริเวณ (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 26 - 27, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	46.3	50.1	44.8
12:10 AM - 12:15 AM	44.8	49.1	44.0
12:15 AM - 12:20 AM	45.8	58.9	43.8
12:20 AM - 12:25 AM	45.4	51.7	44.1
12:25 AM - 12:30 AM	46.3	50.7	45.3
12:30 AM - 12:35 AM	46.6	50.3	45.4
12:35 AM - 12:40 AM	46.7	51.8	45.7
12:40 AM - 12:45 AM	46.1	49.3	46.3
12:45 AM - 12:50 AM	44.7	51.4	43.8
12:50 AM - 12:55 AM	45.3	50.7	43.9
01:00 AM - 01:05 AM	46.2	52.9	45.2
01:05 AM - 01:10 AM	45.9	48.9	45.0
01:10 AM - 01:15 AM	44.3	54.3	42.3
01:15 AM - 01:20 AM	44.8	48.1	43.7
01:20 AM - 01:25 AM	45.2	51.4	44.3
01:25 AM - 01:30 AM	45.0	50.7	43.9
01:30 AM - 01:35 AM	45.5	50.5	44.5
01:35 AM - 01:40 AM	45.8	50.9	44.5
01:40 AM - 01:45 AM	45.4	50.4	44.5
01:45 AM - 01:50 AM	47.0	52.0	45.4
01:50 AM - 01:55 AM	49.4	63.9	46.1
01:55 AM - 02:00 AM	48.0	64.7	45.0
02:00 AM - 02:05 AM	45.7	51.2	44.2
02:05 AM - 02:10 AM	46.1	52.7	44.2
02:10 AM - 02:15 AM	45.8	49.9	43.9
02:15 AM - 02:20 AM	45.7	54.1	43.6
02:20 AM - 02:25 AM	45.3	53.1	42.7
02:25 AM - 02:30 AM	45.4	48.6	44.0
02:30 AM - 02:35 AM	45.9	50.8	44.2
02:35 AM - 02:40 AM	45.5	52.2	43.8
02:40 AM - 02:45 AM	46.4	50.5	45.3
02:45 AM - 02:50 AM	47.2	53.9	45.4
02:50 AM - 02:55 AM	46.2	51.8	44.9
02:55 AM - 03:00 AM	46.7	48.9	45.5
03:00 AM - 03:05 AM	46.2	51.8	44.9
03:05 AM - 03:10 AM	45.7	48.9	45.5
03:10 AM - 03:15 AM	45.9	50.2	45.0
03:15 AM - 03:20 AM	47.2	54.9	45.4
03:20 AM - 03:25 AM	46.1	54.3	45.3
03:25 AM - 03:30 AM	46.5	49.4	45.9
03:30 AM - 03:35 AM	46.7	50.0	45.5

Approved by 
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017305-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. : 2454497-2
Parameter : Noise
Location : หอพักผู้ปฏิบัติงานบริเวณ (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 26 - 27, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	46.3	55.3	44.7
03:30 AM - 03:35 AM	47.0	53.8	44.6
03:35 AM - 03:40 AM	47.2	54.2	44.8
03:40 AM - 03:45 AM	46.4	51.2	44.8
03:45 AM - 03:50 AM	46.8	55.9	44.2
03:50 AM - 03:55 AM	47.0	58.0	43.9
03:55 AM - 04:00 AM	47.5	59.6	43.6
04:00 AM - 04:05 AM	46.1	52.3	43.6
04:05 AM - 04:10 AM	44.9	49.5	43.5
04:10 AM - 04:15 AM	45.3	54.6	44.0
04:15 AM - 04:20 AM	46.3	55.7	44.5
04:20 AM - 04:25 AM	46.3	52.2	44.6
04:25 AM - 04:30 AM	46.4	52.3	44.8
04:30 AM - 04:35 AM	46.7	58.9	44.5
04:35 AM - 04:40 AM	45.7	51.7	44.6
04:40 AM - 04:45 AM	45.7	60.8	44.6
04:45 AM - 04:50 AM	46.7	54.0	45.0
04:50 AM - 04:55 AM	46.2	54.9	45.2
04:55 AM - 05:00 AM	45.9	53.6	44.5
05:00 AM - 05:05 AM	46.7	51.0	45.0
05:05 AM - 05:10 AM	47.0	60.3	45.1
05:10 AM - 05:15 AM	47.8	58.9	45.2
05:15 AM - 05:20 AM	47.5	60.6	45.7
05:20 AM - 05:25 AM	46.1	61.3	46.0
05:25 AM - 05:30 AM	49.3	64.4	45.7
05:30 AM - 05:35 AM	49.8	61.4	46.3
05:35 AM - 05:40 AM	49.2	62.1	45.6
05:40 AM - 05:45 AM	47.7	55.9	45.3
05:45 AM - 05:50 AM	49.0	62.4	46.0
05:50 AM - 05:55 AM	48.3	66.8	45.4
05:55 AM - 06:00 AM	47.7	57.4	45.6
06:00 AM - 07:00 AM	56.9	76.9	50.9

Reference Method : 1. In-house method: STN 06-001 based on ISO 1996-1: 2016
2. อุปกรณ์การวัดและมาตรฐานที่ใช้ในการทดสอบได้รับการตรวจสอบและรับรองโดย 24 ชั่วโมง การวัดและมาตรฐานการทดสอบได้รับการรับรองโดย ม.ร. 2567

Approved by 
Kanokorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017306-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454497-3
Parameter : Noise
Location : บ้านนาสุราษฎร์ธานี (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	57.8	59.8	55.1
08:00 AM - 09:00 AM	53.4	58.8	48.7
09:00 AM - 10:00 AM	53.8	61.8	49.6
10:00 AM - 11:00 AM	52.4	72.4	48.8
11:00 AM - 12:00 PM	53.5	62.4	48.5
12:00 PM - 01:00 PM	50.7	69.4	46.6
01:00 PM - 02:00 PM	54.1	60.7	48.7
02:00 PM - 03:00 PM	48.3	51.4	45.8
03:00 PM - 04:00 PM	49.2	70.2	45.8
04:00 PM - 05:00 PM	48.4	67.1	45.8
05:00 PM - 06:00 PM	50.7	68.1	47.2
06:00 PM - 07:00 PM	51.2	70.7	47.5
07:00 PM - 08:00 PM	50.7	68.1	49.2
08:00 PM - 09:00 PM	49.5	63.6	46.4
09:00 PM - 10:00 PM	48.1	61.5	46.8
10:00 PM - 10:55 PM	47.6	58.4	46.6
10:55 PM - 11:10 PM	48.9	51.2	47.0
11:10 PM - 11:15 PM	47.1	54.6	46.1
11:15 PM - 12:00 PM	49.0	58.4	46.8
12:00 PM - 12:05 PM	49.0	60.2	47.0
12:05 PM - 12:10 PM	46.8	55.1	45.8
12:10 PM - 12:15 PM	47.1	51.1	45.9
12:15 PM - 12:40 PM	46.9	50.2	45.8
12:40 PM - 10:45 PM	47.3	58.6	45.9
10:45 PM - 10:50 PM	47.5	62.9	46.8
10:50 PM - 11:00 PM	47.5	57.7	45.3
11:00 PM - 11:05 PM	47.6	56.5	44.5
11:05 PM - 11:10 PM	44.1	54.1	43.2
11:10 PM - 11:15 PM	47.2	51.2	45.7
11:15 PM - 11:20 PM	46.2	53.6	45.9
11:20 PM - 11:25 PM	46.2	49.9	45.5
11:25 PM - 11:30 PM	45.8	49.8	46.1
11:30 PM - 11:35 PM	46.2	53.6	46.7
11:35 PM - 11:40 PM	49.7	64.4	46.8
11:40 PM - 11:45 PM	46.9	51.1	45.3
11:45 PM - 11:50 PM	45.9	54.5	46.8
11:50 PM - 11:55 PM	47.2	51.5	44.4
11:55 PM - 12:00 AM	46.3	56.4	46.8
12:00 AM - 12:05 AM	45.7	52.7	46.9
12:05 AM - 12:10 AM	45.7	49.7	44.8

Approved by

Kasat Phol
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017306-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454497-3
Parameter : Noise
Location : บ้านนาสุราษฎร์ธานี (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	46.1	50.5	45.2
12:40 AM - 12:45 AM	45.5	52.7	44.6
12:45 AM - 12:50 AM	45.4	48.5	44.0
12:50 AM - 12:55 AM	45.0	51.8	44.3
12:55 AM - 1:00 AM	45.6	50.9	44.1
1:00 AM - 1:05 AM	45.3	49.9	43.7
1:05 AM - 1:10 AM	46.1	54.4	44.7
1:10 AM - 1:15 AM	45.8	49.9	44.8
1:15 AM - 1:20 AM	46.9	56.4	45.1
1:20 AM - 1:25 AM	47.3	55.7	44.8
1:25 AM - 1:30 AM	47.1	55.2	45.5
01:30 AM - 01:35 AM	46.1	52.7	45.2
01:35 AM - 01:40 AM	45.9	50.9	44.5
01:40 AM - 01:45 AM	46.9	53.8	45.0
01:45 AM - 01:50 AM	47.1	53.9	44.6
01:50 AM - 01:55 AM	46.4	49.6	45.4
01:55 AM - 02:00 AM	46.1	51.2	44.8
02:00 AM - 02:05 AM	45.1	50.6	43.8
02:05 AM - 02:10 AM	45.2	50.5	44.0
02:10 AM - 02:15 AM	45.3	55.6	44.2
02:15 AM - 02:20 AM	45.2	48.7	44.1
02:20 AM - 02:25 AM	45.1	50.3	43.9
02:25 AM - 02:30 AM	47.3	55.4	43.9
02:30 AM - 02:35 AM	48.1	58.7	45.0
02:35 AM - 02:40 AM	47.3	57.5	44.4
02:40 AM - 02:45 AM	45.4	54.7	44.0
02:45 AM - 02:50 AM	46.7	48.5	43.6
02:50 AM - 02:55 AM	46.3	52.3	44.8
02:55 AM - 03:00 AM	45.7	47.9	44.1
03:00 AM - 03:05 AM	45.6	51.2	44.1
03:05 AM - 03:10 AM	45.6	55.7	43.9
03:10 AM - 03:15 AM	46.0	49.7	44.6
03:15 AM - 03:20 AM	45.6	51.2	44.4
03:20 AM - 03:25 AM	46.3	53.6	44.6
03:25 AM - 03:30 AM	46.0	51.1	44.2
03:30 AM - 03:35 AM	46.7	50.1	45.2
03:35 AM - 03:40 AM	45.2	52.9	44.9
03:40 AM - 03:45 AM	45.4	53.2	44.2
03:45 AM - 03:50 AM	46.2	56.3	44.9
03:50 AM - 03:55 AM	47.2	53.4	45.4
03:55 AM - 04:00 AM	46.9	50.1	44.6

Approved by

Kasat Phol
Kasat Phol
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017306-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454497-3
Parameter : Noise
Location : บ้านนาสุราษฎร์ธานี (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:35 AM - 03:40 AM	47.8	54.1	43.1
03:40 AM - 03:45 AM	49.1	56.4	44.4
03:45 AM - 03:50 AM	45.8	52.1	43.7
03:50 AM - 03:55 AM	45.8	51.4	44.4
03:55 AM - 04:00 AM	45.7	53.5	44.3
04:00 AM - 04:05 AM	46.2	48.7	44.0
04:05 AM - 04:10 AM	46.2	51.2	44.8
04:10 AM - 04:15 AM	46.4	50.4	44.8
04:15 AM - 04:20 AM	46.8	52.1	44.8
04:20 AM - 04:25 AM	45.5	50.9	44.3
04:25 AM - 04:30 AM	47.8	57.4	46.7
04:30 AM - 04:35 AM	46.8	55.1	46.1
04:35 AM - 04:40 AM	45.4	52.4	44.2
04:40 AM - 04:45 AM	46.8	54.9	45.3
04:45 AM - 04:50 AM	46.8	62.0	44.6
04:50 AM - 04:55 AM	46.3	54.7	44.9
04:55 AM - 05:00 AM	47.3	55.4	45.1
05:00 AM - 05:05 AM	46.1	55.2	44.6
05:05 AM - 05:10 AM	48.1	55.2	45.2
05:10 AM - 05:15 AM	47.3	53.5	45.3
05:15 AM - 05:20 AM	49.0	65.4	46.2
05:20 AM - 05:25 AM	48.8	56.8	46.9
05:25 AM - 05:30 AM	46.4	54.0	47.1
05:30 AM - 05:35 AM	49.7	58.6	47.2
05:35 AM - 05:40 AM	49.4	55.4	47.6
05:40 AM - 05:45 AM	49.3	56.2	47.5
05:45 AM - 05:50 AM	50.3	60.9	47.6
05:50 AM - 05:55 AM	50.1	61.4	47.8
05:55 AM - 06:00 AM	50.8	62.1	48.8
06:00 AM - 06:05 AM	50.8	62.9	48.7
06:05 AM - 06:10 AM	53.3	72.2	49.4

Reference Method :

1. In-house method / STM 06-001 based on ISO 1996-1:2015
2. วิธีการวัดและประเมินค่าเสียงตามมาตรฐานกรมส่งเสริมการค้าระหว่างประเทศ พ.ศ. 2557

Approved by

Kasat Phol
Kasat Phol
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017307-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. : 2454497-4
Parameter : Noise
Location : บ้านนาสุราษฎร์ธานี (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date : May 27 - 28, 2024
Measurement by : Sangtawan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:50 AM - 08:00 AM	52.2	72.2	49.6
08:00 AM - 08:05 AM	50.2	67.8	47.1
08:05 AM - 08:10 AM	49.6	67.6	46.9
08:10 AM - 08:15 AM	50.4	75.5	47.9
08:15 AM - 08:20 AM	49.2	68.7	47.0
08:20 PM - 01:00 PM	49.0	72.7	46.6
01:00 PM - 02:00 PM	49.8	65.5	47.3
02:00 PM - 03:00 PM	50.2	74.2	47.6
03:00 PM - 04:00 PM	51.4	81.0	49.0
04:00 PM - 05:00 PM	51.8	76.0	49.1
05:00 PM - 06:00 PM	51.5	64.4	49.5
06:00 PM - 07:00 PM	51.0	68.4	49.4
07:00 PM - 08:00 PM	50.9	73.0	49.4
08:00 PM - 09:00 PM	53.7	66.2	52.9
09:00 PM - 10:00 PM	50.6	62.7	49.4
10:00 PM - 10:05 PM	47.5	51.6	46.3
10:05 PM - 10:10 PM	47.1	51.9	46.1
10:10 PM - 10:15 PM	47.5	51.2	46.2
10:15 PM - 10:20 PM	48.1	55.5	46.1
10:20 PM - 10:25 PM	47.2	52.5	46.2
10:25 PM - 10:30 PM	46.5	50.1	45.7
10:30 PM - 10:35 PM	47.0	51.9	45.5
10:35 PM - 10:40 PM	46.8	50.0	45.7
10:40 PM - 10:45 PM	47.7	56.4	46.3
10:45 PM - 10:50 PM	46.8	50.2	45.7
10:50 PM - 10:55 PM	46.9	50.8	45.9
10:55 PM - 11:00 PM	47.8	52.8	46.6
11:00 PM - 11:05 PM	49.2	55.9	46.8
11:05 PM - 11:10 PM	48.4	57.4	47.4
11:10 PM - 11:15 PM	46.8	54.4	45.5
11:15 PM - 11:20 PM	49.3	56.7	46.6
11:20 PM - 11:25 PM	46.7	50.8	46.1
11:25 PM - 11:30 PM	47.2	51.7	46.3
11:30 PM - 11:35 PM	48.6	54.4	47.1
11:35 PM - 11:40 PM	46.9	51.8	47.3
11:40 PM - 11:45 PM	47.2	51.8	46.2
11:45 PM - 11:50 PM	45.8	50.8	45.8
11:50 PM - 11:55 PM	46.4	60.2	45.0
11:55 PM - 12:00 AM	46.3	50.2	45.2
12:00 AM - 12:05 AM	47.3	53.2	45.2

Approved by

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Kasat Phol
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017307-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454497-4
Parameter Noise
Location ตูรพินทุพินทุพินทุพิน (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangjavan Naisat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:30 AM - 12:10 AM	52.3	51.4	45.8
12:10 AM - 12:15 AM	46.0	50.5	46.7
12:15 AM - 12:20 AM	46.7	52.1	45.4
12:20 AM - 12:25 AM	46.3	50.9	45.1
12:25 AM - 12:30 AM	46.8	50.7	45.3
12:30 AM - 12:35 AM	46.4	50.2	44.9
12:35 AM - 12:40 AM	45.5	49.9	44.3
12:40 AM - 12:45 AM	46.0	51.6	46.7
12:45 AM - 12:50 AM	46.1	52.8	44.9
12:50 AM - 12:55 AM	46.3	54.6	44.6
12:55 AM - 01:00 AM	46.6	63.7	44.9
01:00 AM - 01:05 AM	48.0	63.9	44.6
01:05 AM - 01:10 AM	45.7	51.3	44.5
01:10 AM - 01:15 AM	46.3	45.2	45.2
01:15 AM - 01:20 AM	46.6	52.0	45.0
01:20 AM - 01:25 AM	46.2	50.1	44.8
01:25 AM - 01:30 AM	46.3	56.0	44.8
01:30 AM - 01:35 AM	46.6	51.9	44.9
01:35 AM - 01:40 AM	46.3	50.2	43.4
01:40 AM - 01:45 AM	47.1	51.8	43.4
01:45 AM - 01:50 AM	47.1	58.4	43.5
01:50 AM - 01:55 AM	47.0	51.0	43.5
01:55 AM - 02:00 AM	49.7	61.8	43.6
02:00 AM - 02:05 AM	47.9	61.8	43.2
02:05 AM - 02:10 AM	47.8	53.5	43.0
02:10 AM - 02:15 AM	47.5	56.8	44.9
02:15 AM - 02:20 AM	46.0	50.9	44.7
02:20 AM - 02:25 AM	46.7	56.4	44.9
02:25 AM - 02:30 AM	46.9	53.9	44.7
02:30 AM - 02:35 AM	45.9	51.4	44.8
02:35 AM - 02:40 AM	46.7	51.9	43.0
02:40 AM - 02:45 AM	46.3	51.7	43.1
02:45 AM - 02:50 AM	46.7	54.1	44.9
02:50 AM - 02:55 AM	46.2	48.5	45.1
02:55 AM - 03:00 AM	47.7	49.3	46.3
03:00 AM - 03:05 AM	46.6	51.1	43.3
03:05 AM - 03:10 AM	47.1	51.5	43.8
03:10 AM - 03:15 AM	46.3	51.0	43.9
03:15 AM - 03:20 AM	46.9	53.2	43.0
03:20 AM - 03:25 AM	46.2	49.6	43.2

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017307-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 3 of 3

Sample No. 2454497-4
Parameter Noise
Location ตูรพินทุพินทุพินทุพิน (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 28 - 29, 2024
Measurement by Sangjavan Naisat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	46.8	52.3	45.7
03:30 AM - 03:35 AM	47.4	52.9	45.5
03:35 AM - 03:40 AM	46.7	52.7	44.8
03:40 AM - 03:45 AM	47.0	59.2	45.3
03:45 AM - 03:50 AM	46.7	57.5	44.6
03:50 AM - 03:55 AM	45.8	50.2	44.3
03:55 AM - 04:00 AM	45.9	49.9	44.9
04:00 AM - 04:05 AM	46.7	50.6	45.4
04:05 AM - 04:10 AM	46.0	46.7	45.0
04:10 AM - 04:15 AM	47.4	51.0	46.1
04:15 AM - 04:20 AM	47.4	51.6	45.9
04:20 AM - 04:25 AM	47.4	51.5	46.2
04:25 AM - 04:30 AM	48.0	53.3	46.4
04:30 AM - 04:35 AM	46.9	50.7	45.7
04:35 AM - 04:40 AM	47.9	60.5	46.1
04:40 AM - 04:45 AM	49.3	62.0	46.3
04:45 AM - 04:50 AM	46.6	52.4	47.3
04:50 AM - 04:55 AM	46.5	56.0	47.0
04:55 AM - 05:00 AM	46.5	64.7	46.6
05:00 AM - 05:05 AM	48.3	54.8	46.5
05:05 AM - 05:10 AM	51.1	75.9	48.1
05:10 AM - 05:15 AM	50.7	58.2	46.7
05:15 AM - 05:20 AM	51.5	68.8	49.4
05:20 AM - 05:25 AM	50.3	51.2	48.3
05:25 AM - 05:30 AM	50.6	58.8	48.9
05:30 AM - 05:35 AM	51.0	57.8	48.9
05:35 AM - 05:40 AM	51.6	57.8	48.8
05:40 AM - 05:45 AM	52.3	55.1	48.4
05:45 AM - 05:50 AM	49.6	62.7	47.6
05:50 AM - 05:55 AM	51.7	66.3	46.5
05:55 AM - 06:00 AM	51.2	64.5	48.7
06:00 AM - 07:00 AM	56.4	72.7	50.1

Reference Method :

- In-house method : STM 06-00 based on ISO 1996-1 : 2016
- มาตรฐานการตรวจวัดมลพิษทางเสียง (การวัดระดับเสียง) ตามมาตรฐาน 24 ของกรมควบคุมมลพิษของประเทศไทยฉบับที่ 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017307-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 3

Sample No. 2454497-5
Parameter Noise
Location ตูรพินทุพินทุพินทุพิน (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sangjavan Naisat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	52.9	53.9	50.2
08:00 AM - 09:00 AM	50.7	58.3	47.8
09:00 AM - 10:00 AM	49.7	62.7	47.4
10:00 AM - 11:00 AM	49.9	66.6	47.5
11:00 AM - 12:00 PM	49.1	75.9	46.8
12:00 PM - 01:00 PM	46.3	60.7	46.6
01:00 PM - 02:00 PM	50.5	66.6	49.8
02:00 PM - 03:00 PM	53.1	69.5	50.7
03:00 PM - 04:00 PM	51.3	72.2	48.3
04:00 PM - 05:00 PM	51.5	69.3	48.8
05:00 PM - 06:00 PM	52.7	71.4	50.0
06:00 PM - 07:00 PM	52.5	74.5	49.8
07:00 PM - 08:00 PM	51.4	63.7	49.4
08:00 PM - 09:00 PM	52.9	63.6	51.4
09:00 PM - 10:00 PM	52.3	63.6	50.7
10:00 PM - 10:25 PM	46.7	56.3	48.1
10:25 PM - 10:50 PM	46.3	53.9	47.7
10:50 PM - 11:00 PM	46.7	54.3	46.7
11:00 PM - 11:05 PM	47.9	57.4	46.3
11:05 PM - 11:10 PM	47.9	57.4	46.3
11:10 PM - 11:15 PM	50.7	53.3	49.9
11:15 PM - 11:20 PM	51.8	53.9	49.9
11:20 PM - 11:25 PM	51.8	53.9	49.9
11:25 PM - 11:30 PM	46.3	51.2	43.5
11:30 PM - 11:35 PM	45.5	50.7	42.9
11:35 PM - 11:40 PM	45.4	51.8	44.0
11:40 PM - 11:45 PM	46.3	59.7	45.4
11:45 PM - 11:50 PM	50.8	54.6	49.0
11:50 PM - 11:55 PM	51.0	54.2	48.1
11:55 PM - 12:00 AM	51.0	54.5	50.7
12:00 AM - 12:05 AM	51.2	53.9	50.3

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received: Jun 04, 2024
Date Reported: Jun 10, 2024
Report No.: 3017307-1

P/O : 421000572
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 3

Sample No. 2454497-5
Parameter Noise
Location ตูรพินทุพินทุพินทุพิน (GPS 48Q 279384, 1889169) (หน้าวัด) (Shut down)
Measurement Date May 29 - 30, 2024
Measurement by Sangjavan Naisat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	50.8	54.7	48.4
12:10 AM - 12:15 AM	50.9	57.9	49.1
12:15 AM - 12:20 AM	51.2	56.1	49.7
12:20 AM - 12:25 AM	50.4	60.5	48.5
12:25 AM - 12:30 AM	50.7	57.8	48.6
12:30 AM - 12:35 AM	52.3	57.1	50.5
12:35 AM - 12:40 AM	51.1	54.4	49.1
12:40 AM - 12:45 AM	48.9	51.0	46.1
12:45 AM - 12:50 AM	48.6	55.0	45.9
12:50 AM - 12:55 AM	48.6	54.4	45.2
12:55 AM - 01:00 AM	51.0	55.3	49.3
01:00 AM - 01:05 AM	51.3	55.2	50.1
01:05 AM - 01:10 AM	49.6	53.5	47.9
01:10 AM - 01:15 AM	51.0	56.6	49.4
01:15 AM - 01:20 AM	51.6	54.1	50.6
01:20 AM - 01:25 AM	50.6	52.9	49.4
01:25 AM - 01:30 AM	51.1	51.6	49.9
01:30 AM - 01:35 AM	52.0	60.5	53.0
01:35 AM - 01:40 AM	52.1	60.0	50.5
01:40 AM - 01:45 AM	52.8	54.6	48.8
01:45 AM - 01:50 AM	49.1	55.6	46.3
01:50 AM - 01:55 AM	48.5	52.9	46.3
01:55 AM - 02:00 AM	49.2	51.5	47.0
02:00 AM - 02:05 AM	50.1	53.9	47.6
02:05 AM - 02:10 AM	51.2	56.2	48.0
02:10 AM - 02:15 AM	52.5	56.9	50.0
02:15 AM - 02:20 AM	52.7	54.2	49.7
02:20 AM - 02:25 AM	53.1	57.9	49.1
02:25 AM - 02:30 AM	53.9	57.8	49.5
02:30 AM - 02:35 AM	53.8	59.3	49.4
02:35 AM - 02:40 AM	52.4	57.3	48.7
02:40 AM - 02:45 AM	53.9	57.8	47.9
02:45 AM - 02:50 AM	48.3	51.5	46.8
02:50 AM - 02:55 AM	49.1	54.7	47.3
02:55 AM - 03:00 AM	49.1	54.5	47.3
03:00 AM - 03:05 AM	48.5	54.1	46.5
03:05 AM - 03:10 AM	48.7	53.0	46.7
03:10 AM - 03:15 AM	48.9	54.2	47.0
03:15 AM - 03:20 AM	50.9	56.0	48.8

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017308-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454497-5
Parameter Noise
Location ทุ่งโพธิ์ตาล/บ้านโพธิ์ตาล (GPS 40Q 279384, 1889169) (แนวหน้า) (Shot down)
Measurement Date May 29 - 30, 2024
Measurement by Sangman Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	52.6	61.0	49.2
03:30 AM - 03:35 AM	50.2	53.9	48.0
03:35 AM - 03:40 AM	50.5	54.7	48.5
03:40 AM - 03:45 AM	49.6	53.1	48.3
03:45 AM - 03:50 AM	48.2	51.8	47.1
03:50 AM - 03:55 AM	47.8	51.2	46.7
03:55 AM - 04:00 AM	47.6	50.2	46.9
04:00 AM - 04:05 AM	47.9	50.6	46.5
04:05 AM - 04:10 AM	48.3	51.8	46.7
04:10 AM - 04:15 AM	47.8	50.7	46.5
04:15 AM - 04:20 AM	48.1	51.7	46.6
04:20 AM - 04:25 AM	48.4	52.7	46.9
04:25 AM - 04:30 AM	47.5	51.8	46.0
04:30 AM - 04:35 AM	47.3	52.5	46.1
04:35 AM - 04:40 AM	47.5	54.4	46.2
04:40 AM - 04:45 AM	47.6	51.6	46.3
04:45 AM - 04:50 AM	48.0	58.1	46.5
04:50 AM - 04:55 AM	48.0	53.5	46.5
04:55 AM - 05:00 AM	48.0	57.0	46.8
05:00 AM - 05:05 AM	48.5	53.9	46.6
05:05 AM - 05:10 AM	48.5	57.8	46.8
05:10 AM - 05:15 AM	49.3	57.7	47.5
05:15 AM - 05:20 AM	49.6	55.9	47.8
05:20 AM - 05:25 AM	50.5	62.5	48.0
05:25 AM - 05:30 AM	49.9	56.5	48.0
05:30 AM - 05:35 AM	49.3	57.9	47.3
05:35 AM - 05:40 AM	50.0	61.4	47.9
05:40 AM - 05:45 AM	50.2	64.1	48.8
05:45 AM - 05:50 AM	50.4	59.4	48.6
05:50 AM - 05:55 AM	50.4	60.1	47.2
05:55 AM - 06:00 AM	51.2	64.7	48.3
06:00 AM - 07:00 AM	51.8	70.1	49.1

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและรายงานผลค่าเสียงตามมาตรฐานของประเทศไทย มาตรฐาน 24 ชั่วโมง ตามข้อกำหนดของกรมควบคุมมลพิษ พ.ร.บ. 2567

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017309-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454497-6
Parameter Noise
Location ทุ่งโพธิ์ตาล/บ้านโพธิ์ตาล (GPS 40Q 279384, 1889169) (แนวหน้า) (Shot down)
Measurement Date May 30 - 31, 2024
Measurement by Sangman Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 07:05 AM	52.7	71.9	49.3
07:05 AM - 07:10 AM	49.1	64.8	46.5
07:10 AM - 07:15 AM	49.3	72.2	46.6
07:15 AM - 07:20 AM	48.9	62.4	46.4
07:20 AM - 07:25 PM	50.6	71.7	47.9
07:25 PM - 07:30 PM	48.7	62.0	46.6
07:30 PM - 07:35 PM	50.8	62.9	48.6
07:35 PM - 07:40 PM	48.1	64.1	47.6
07:40 PM - 07:45 PM	50.3	68.2	47.2
07:45 PM - 07:50 PM	49.5	63.8	46.9
07:50 PM - 07:55 PM	50.8	67.4	48.0
07:55 PM - 08:00 PM	51.7	63.5	48.7
08:00 PM - 08:05 PM	51.3	62.7	52.4
08:05 PM - 08:10 PM	52.8	65.2	52.0
08:10 PM - 08:15 PM	48.7	56.2	47.4
08:15 PM - 08:20 PM	49.0	59.1	47.4
08:20 PM - 08:25 PM	47.9	51.0	46.9
08:25 PM - 08:30 PM	47.7	51.7	46.5
08:30 PM - 08:35 PM	48.3	54.7	47.1
08:35 PM - 08:40 PM	48.8	55.7	47.0
08:40 PM - 08:45 PM	48.0	53.8	46.7
08:45 PM - 08:50 PM	48.0	51.9	46.6
08:50 PM - 08:55 PM	48.0	54.5	46.5
08:55 PM - 09:00 PM	48.0	52.4	46.7
09:00 PM - 09:05 PM	48.7	56.5	46.7
09:05 PM - 09:10 PM	47.9	51.7	46.8
09:10 PM - 09:15 PM	48.4	51.9	47.1
09:15 PM - 09:20 PM	48.4	51.1	47.3
09:20 PM - 09:25 PM	48.8	54.1	46.9
09:25 PM - 09:30 PM	47.7	52.2	46.5
09:30 PM - 09:35 PM	49.1	51.9	47.8
09:35 PM - 09:40 PM	48.1	53.7	47.0
09:40 PM - 09:45 PM	48.4	57.3	46.8
09:45 PM - 09:50 PM	47.2	51.6	46.1
09:50 PM - 09:55 PM	47.2	54.2	45.8
09:55 PM - 10:00 PM	48.3	51.1	47.2
10:00 PM - 10:05 PM	48.0	52.7	46.8
10:05 PM - 10:10 AM	48.4	52.2	47.1
10:10 AM - 10:15 PM	47.8	56.8	47.0

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Approved by

Kanekorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017309-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454497-6
Parameter Noise
Location ทุ่งโพธิ์ตาล/บ้านโพธิ์ตาล (GPS 40Q 279384, 1889169) (แนวหน้า) (Shot down)
Measurement Date May 30 - 31, 2024
Measurement by Sangman Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:05 AM - 12:10 AM	48.1	53.9	46.9
12:10 AM - 12:15 AM	49.1	58.0	47.0
12:15 AM - 12:20 AM	48.0	51.1	46.8
12:20 AM - 12:25 AM	48.0	51.5	46.7
12:25 AM - 12:30 AM	48.2	58.6	46.8
12:30 AM - 12:35 AM	48.1	55.4	46.8
12:35 AM - 12:40 AM	48.1	56.5	46.5
12:40 AM - 12:45 AM	48.0	51.1	46.8
12:45 AM - 12:50 AM	49.0	54.2	47.8
12:50 AM - 12:55 AM	48.1	54.6	47.1
12:55 AM - 01:00 AM	47.6	51.0	46.3
01:00 AM - 01:05 AM	48.0	54.5	46.4
01:05 AM - 01:10 AM	47.9	52.1	45.8
01:10 AM - 01:15 AM	47.8	52.3	46.0
01:15 AM - 01:20 AM	47.8	51.1	46.6
01:20 AM - 01:25 AM	47.9	50.7	46.6
01:25 AM - 01:30 AM	48.1	54.6	46.7
01:30 AM - 01:35 AM	47.3	51.7	46.2
01:35 AM - 01:40 AM	47.2	50.8	46.0
01:40 AM - 01:45 AM	49.0	56.6	47.3
01:45 AM - 01:50 AM	47.8	54.8	46.4
01:50 AM - 01:55 AM	48.5	56.5	46.9
01:55 AM - 02:00 AM	48.2	52.7	46.7
02:00 AM - 02:05 AM	48.7	50.4	46.4
02:05 AM - 02:10 AM	48.1	53.5	46.3
02:10 AM - 02:15 AM	47.8	51.3	46.8
02:15 AM - 02:20 AM	47.1	52.1	46.1
02:20 AM - 02:25 AM	47.7	52.3	46.5
02:25 AM - 02:30 AM	47.3	55.9	46.2
02:30 AM - 02:35 AM	47.8	50.9	46.8
02:35 AM - 02:40 AM	48.3	53.0	46.9
02:40 AM - 02:45 AM	51.0	63.0	48.8
02:45 AM - 02:50 AM	48.6	62.6	46.9
02:50 AM - 02:55 AM	48.1	54.4	46.1
02:55 AM - 03:00 AM	47.7	51.9	45.8
03:00 AM - 03:05 AM	47.5	50.9	46.1
03:05 AM - 03:10 AM	47.8	50.9	47.1
03:10 AM - 03:15 AM	48.3	52.7	46.8
03:15 AM - 03:20 AM	47.7	51.6	46.4
03:20 AM - 03:25 AM	47.5	51.5	46.1



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017309-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample No. 2454497-6
Parameter Noise
Location ทุ่งโพธิ์ตาล/บ้านโพธิ์ตาล (GPS 40Q 279384, 1889169) (แนวหน้า) (Shot down)
Measurement Date May 30 - 31, 2024
Measurement by Sangman Natsat
Sound Level Meter 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:25 AM - 03:30 AM	48.1	52.2	45.8
03:30 AM - 03:35 AM	48.3	55.4	46.7
03:35 AM - 03:40 AM	47.7	52.5	46.0
03:40 AM - 03:45 AM	47.6	55.2	46.1
03:45 AM - 03:50 AM	48.2	58.8	46.2
03:50 AM - 03:55 AM	48.0	50.7	46.8
03:55 AM - 04:00 AM	47.9	52.3	46.5
04:00 AM - 04:05 AM	47.9	54.3	46.5
04:05 AM - 04:10 AM	47.8	50.9	46.4
04:10 AM - 04:15 AM	47.8	51.1	46.4
04:15 AM - 04:20 AM	48.8	56.0	46.5
04:20 AM - 04:25 AM	48.9	52.7	47.2
04:25 AM - 04:30 AM	48.8	52.8	47.3
04:30 AM - 04:35 AM	49.0	58.7	47.1
04:35 AM - 04:40 AM	49.2	58.5	47.8
04:40 AM - 04:45 AM	49.2	54.0	47.5
04:45 AM - 04:50 AM	51.2	60.5	48.7
04:50 AM - 04:55 AM	51.0	62.7	49.1
04:55 AM - 05:00 AM	50.9	55.7	48.9
05:00 AM - 05:05 AM	51.1	57.7	48.5
05:05 AM - 05:10 AM	50.2	63.5	48.4
05:10 AM - 05:15 AM	51.4	59.0	49.4
05:15 AM - 05:20 AM	51.2	63.7	49.3
05:20 AM - 05:25 AM	51.0	59.3	49.1
05:25 AM - 05:30 AM	50.9	56.7	49.1
05:30 AM - 05:35 AM	51.6	61.9	49.1
05:35 AM - 05:40 AM	52.5	64.2	49.3
05:40 AM - 05:45 AM	50.5	58.7	49.0
05:45 AM - 05:50 AM	51.8	61.7	49.6
05:50 AM - 05:55 AM	51.9	62.1	49.7
05:55 AM - 06:00 AM	52.9	63.4	49.7
06:00 AM - 07:00 AM	52.5	68.2	49.7

Reference Method :

1. In-house method : STM 06-001 based on ISO 1996-1 : 2016
2. วิธีการวัดและรายงานผลค่าเสียงตามมาตรฐานของประเทศไทย มาตรฐาน 24 ชั่วโมง ตามข้อกำหนดของกรมควบคุมมลพิษ พ.ร.บ. 2567

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Approved by

Kanekorn Anek
Senior Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017310-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natasat

Page 1 of 3

Sample No. : 2454497-7
Parameter : Noise
Location : ตำบลบ้านนาหนองนา (GPS 40Q 279384, 1889169) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
07:00 AM - 08:00 AM	51.8	72.3	49.1
08:00 AM - 09:00 AM	50.3	68.1	48.3
09:00 AM - 10:00 AM	50.4	65.1	48.3
10:00 AM - 11:00 AM	49.4	60.3	47.3
11:00 AM - 12:00 PM	50.0	68.5	47.0
12:00 PM - 01:00 PM	48.9	66.2	46.7
01:00 PM - 02:00 PM	52.3	72.7	48.8
02:00 PM - 03:00 PM	51.9	73.3	49.5
03:00 PM - 04:00 PM	51.0	68.0	49.3
04:00 PM - 05:00 PM	51.2	67.0	48.8
05:00 PM - 06:00 PM	51.7	72.0	49.1
06:00 PM - 07:00 PM	52.1	67.0	49.5
07:00 PM - 08:00 PM	53.2	62.4	52.4
08:00 PM - 09:00 PM	51.4	64.4	50.5
09:00 PM - 10:00 PM	47.8	65.5	45.8
10:00 PM - 10:55 PM	48.0	55.3	45.6
10:55 PM - 10:59 PM	47.3	53.0	45.3
10:59 PM - 11:03 PM	48.2	50.0	45.0
11:03 PM - 11:07 PM	46.3	48.8	45.3
11:07 PM - 11:11 PM	47.5	54.9	45.8
11:11 PM - 11:15 PM	47.4	62.6	45.4
11:15 PM - 11:19 PM	46.6	55.9	45.3
11:19 PM - 11:23 PM	47.4	55.9	45.9
11:23 PM - 11:27 PM	47.3	56.3	46.2
11:27 PM - 11:31 PM	48.1	54.2	46.6
11:31 PM - 11:35 PM	47.5	53.9	46.0
11:35 PM - 11:39 PM	48.2	56.4	46.3
11:39 PM - 11:43 PM	47.6	58.7	45.8
11:43 PM - 11:47 PM	47.6	55.0	46.1
11:47 PM - 11:51 PM	47.1	52.4	46.0
11:51 PM - 11:55 PM	47.3	51.9	46.0
11:55 PM - 12:00 AM	47.9	53.1	45.7
12:00 AM - 12:05 AM	46.5	51.5	45.4
12:05 AM - 12:10 AM	41.8	48.5	44.2
12:10 AM - 12:15 AM	45.8	48.5	44.2
12:15 AM - 12:20 AM	45.8	48.5	44.2
12:20 AM - 12:25 AM	45.8	48.5	44.2
12:25 AM - 12:30 AM	45.8	48.5	44.2
12:30 AM - 12:35 AM	45.8	48.5	44.2
12:35 AM - 12:40 AM	45.8	48.5	44.2
12:40 AM - 12:45 AM	45.8	48.5	44.2
12:45 AM - 12:50 AM	45.8	48.5	44.2
12:50 AM - 12:55 AM	45.8	48.5	44.2
12:55 AM - 01:00 AM	45.8	48.5	44.2
01:00 AM - 01:05 AM	45.8	48.5	44.2
01:05 AM - 01:10 AM	45.8	48.5	44.2
01:10 AM - 01:15 AM	45.8	48.5	44.2
01:15 AM - 01:20 AM	45.8	48.5	44.2
01:20 AM - 01:25 AM	45.8	48.5	44.2
01:25 AM - 01:30 AM	45.8	48.5	44.2
01:30 AM - 01:35 AM	45.8	48.5	44.2
01:35 AM - 01:40 AM	45.8	48.5	44.2
01:40 AM - 01:45 AM	45.8	48.5	44.2
01:45 AM - 01:50 AM	45.8	48.5	44.2
01:50 AM - 01:55 AM	45.8	48.5	44.2
01:55 AM - 02:00 AM	45.8	48.5	44.2
02:00 AM - 02:05 AM	45.8	48.5	44.2
02:05 AM - 02:10 AM	45.8	48.5	44.2
02:10 AM - 02:15 AM	45.8	48.5	44.2
02:15 AM - 02:20 AM	45.8	48.5	44.2
02:20 AM - 02:25 AM	45.8	48.5	44.2
02:25 AM - 02:30 AM	45.8	48.5	44.2
02:30 AM - 02:35 AM	45.8	48.5	44.2
02:35 AM - 02:40 AM	45.8	48.5	44.2
02:40 AM - 02:45 AM	45.8	48.5	44.2
02:45 AM - 02:50 AM	45.8	48.5	44.2
02:50 AM - 02:55 AM	45.8	48.5	44.2
02:55 AM - 03:00 AM	45.8	48.5	44.2
03:00 AM - 03:05 AM	45.8	48.5	44.2
03:05 AM - 03:10 AM	45.8	48.5	44.2
03:10 AM - 03:15 AM	45.8	48.5	44.2
03:15 AM - 03:20 AM	45.8	48.5	44.2
03:20 AM - 03:25 AM	45.8	48.5	44.2
03:25 AM - 03:30 AM	45.8	48.5	44.2

The above results are valid only for the analysis period specified in the report. For the purpose of this report, the results are valid only for the period specified in the report. The results are valid only for the period specified in the report.

Approved by

Kanokorn Anek
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017310-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natasat

Page 2 of 3

Sample No. : 2454497-7
Parameter : Noise
Location : ตำบลบ้านนาหนองนา (GPS 40Q 279384, 1889169) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	46.1	53.1	44.1
12:50 AM - 12:55 AM	47.3	52.6	45.3
12:55 AM - 13:00 AM	46.9	52.7	45.4
13:00 AM - 13:05 AM	46.4	49.4	45.4
13:05 AM - 13:10 AM	47.4	51.5	46.6
13:10 AM - 13:15 AM	47.3	51.5	45.9
13:15 AM - 13:20 AM	47.0	52.3	46.0
13:20 AM - 13:25 AM	47.5	51.1	46.0
13:25 AM - 13:30 AM	47.3	52.8	45.7
13:30 AM - 13:35 AM	47.0	50.5	45.8
13:35 AM - 13:40 AM	47.9	53.6	45.7
13:40 AM - 13:45 AM	47.6	56.9	46.4
13:45 AM - 13:50 AM	48.0	52.9	46.5
13:50 AM - 13:55 AM	47.3	52.1	45.7
13:55 AM - 14:00 AM	47.7	52.5	46.4
14:00 AM - 14:05 AM	48.3	54.8	46.8
14:05 AM - 14:10 AM	48.1	51.4	47.2
14:10 AM - 14:15 AM	48.4	54.4	46.7
14:15 AM - 14:20 AM	48.1	51.3	47.0
14:20 AM - 14:25 AM	48.9	52.8	47.3
14:25 AM - 14:30 AM	48.0	51.1	47.0
14:30 AM - 14:35 AM	47.9	51.6	46.5
14:35 AM - 14:40 AM	48.1	53.2	46.8
14:40 AM - 14:45 AM	48.2	53.9	46.1
14:45 AM - 14:50 AM	47.0	52.0	45.6
14:50 AM - 14:55 AM	47.5	52.9	45.9
14:55 AM - 15:00 AM	47.5	51.7	46.3
15:00 AM - 15:05 AM	48.6	55.2	47.3
15:05 AM - 15:10 AM	48.8	62.2	47.1
15:10 AM - 15:15 AM	47.8	46.2	46.2
15:15 AM - 15:20 AM	47.2	53.9	45.7
15:20 AM - 15:25 AM	47.5	56.3	46.2
15:25 AM - 15:30 AM	47.9	55.4	46.2
15:30 AM - 15:35 AM	47.9	55.9	46.3
15:35 AM - 15:40 AM	47.2	52.2	46.1
15:40 AM - 15:45 AM	47.1	56.1	45.3
15:45 AM - 15:50 AM	47.1	51.3	45.9
15:50 AM - 15:55 AM	46.9	54.3	45.6
15:55 AM - 16:00 AM	50.3	68.2	45.4
16:00 AM - 16:05 AM	47.1	51.1	45.6

The above results are valid only for the analysis period specified in the report. For the purpose of this report, the results are valid only for the period specified in the report. The results are valid only for the period specified in the report.

Approved by

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370

Lot ID: 2454497
Date Received :Jun 04, 2024
Date Reported :Jun 10, 2024
Report No. : 3017310-1

P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location : Sanglavan Natasat

Page 3 of 3

Sample No. : 2454497-7
Parameter : Noise
Location : ตำบลบ้านนาหนองนา (GPS 40Q 279384, 1889169) (Shut down)
Measurement Date : May 31 - Jun 01, 2024
Measurement by : Sanglavan Natasat
Sound Level Meter : 00472123

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:15 AM - 03:20 AM	47.8	51.1	45.9
03:20 AM - 03:25 AM	47.8	58.2	45.6
03:25 AM - 03:30 AM	47.9	52.1	45.1
03:30 AM - 03:35 AM	48.4	54.8	45.7
03:35 AM - 03:40 AM	47.5	51.1	46.1
03:40 AM - 03:45 AM	47.7	52.0	46.3
03:45 AM - 03:50 AM	47.5	52.9	46.5
03:50 AM - 03:55 AM	47.7	52.9	46.4
03:55 AM - 04:00 AM	47.7	52.9	46.3
04:00 AM - 04:05 AM	47.7	52.9	46.3
04:05 AM - 04:10 AM	47.7	52.9	46.3
04:10 AM - 04:15 AM	48.4	56.3	46.0
04:15 AM - 04:20 AM	49.4	55.2	46.0
04:20 AM - 04:25 AM	50.2	55.1	46.2
04:25 AM - 04:30 AM	51.2	63.7	48.7
04:30 AM - 04:35 AM	50.2	59.3	46.5
04:35 AM - 04:40 AM	50.1	60.8	46.8
04:40 AM - 04:45 AM	51.0	62.4	49.3
04:45 AM - 04:50 AM	51.0	57.7	49.5
04:50 AM - 04:55 AM	50.8	55.9	49.3
04:55 AM - 05:00 AM	51.2	61.3	49.3
05:00 AM - 05:05 AM	51.6	61.3	49.2
05:05 AM - 05:10 AM	51.8	55.8	50.5
05:10 AM - 05:15 AM	51.0	57.8	50.7
05:15 AM - 05:20 AM	52.7	62.7	50.9
05:20 AM - 05:25 AM	52.0	62.8	50.3
05:25 AM - 05:30 AM	50.7	61.7	49.2
05:30 AM - 05:35 AM	50.9	61.6	49.4
05:35 AM - 05:40 AM	50.6	57.0	48.0
05:40 AM - 05:45 AM	50.5	58.5	49.0
05:45 AM - 05:50 AM	51.0	57.4	49.2
05:50 AM - 05:55 AM	51.7	58.6	50.0
05:55 AM - 06:00 AM	52.4	63.7	50.7
06:00 AM - 07:00 AM	52.9	69.7	52.7

Reference Method :

1. In-house method : STN 06-001 based on ISO 1996-1 : 2016
2. อุปกรณ์การวัดเสียงแบบต่อเนื่อง 16 ช่องทางวัดเสียงแบบต่อเนื่อง 24 ชั่วโมง แบบต่อเนื่องแบบอัตโนมัติโดยเครื่องวัดเสียงแบบต่อเนื่องรุ่น M.S. 2567

The above results are valid only for the analysis period specified in the report. For the purpose of this report, the results are valid only for the period specified in the report. The results are valid only for the period specified in the report.

Approved by

Kanokorn Anek
Senior Manager

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ภาคผนวก ค-7

ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Page 1 of 12

Sample Number : 2479328-1
Sampled Date : Aug 30, 2024 11.00 AM
Sample Description : Surface Water
Location : อำเภอเมือง จังหวัดอุบลราชธานี ระยะทาง 1,000 เมตร
Date Analysis Commenced : Aug 31, 2024
Condition of Sample : Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	7.76	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	0.006	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	1.48	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.13	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
SAR *	-	-	0.10	0.15	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

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S. Phamthai, (01, Sep 6, 1994)



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Page 2 of 12

Sample Number : 2479328-1
Sampled Date : Aug 30, 2024 11.00 AM
Sample Description : Surface Water
Location : อำเภอเมือง จังหวัดอุบลราชธานี ระยะทาง 1,000 เมตร
Date Analysis Commenced : Aug 31, 2024
Condition of Sample : Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.2	n ^o	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	78	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Guideline : Notification of the National Environmental Board, No. 8 B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n^o: Change from Natural condition not more than 3 degree C
Sampling By : Asisak Promphai

Remark :
* LOD : Limit of Detection
* "C" : Lower than LOQ (Limit of Quantification) / LOR (Limit of Reporting)
* Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025
* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Page 2 of 12

Sample Number : 2479328-1
Sampled Date : Aug 30, 2024 11.00 AM
Sample Description : Surface Water
Location : อำเภอเมือง จังหวัดอุบลราชธานี ระยะทาง 1,000 เมตร
Date Analysis Commenced : Aug 31, 2024
Condition of Sample : Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Sodium	mg/L	0.03	0.05	1.69	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 N-3 (B, F)	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - C G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	2.8	No Standard	In-house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	79	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤5	In-house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	6.5	5.0-9.0	In house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

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Sample Number 2479328-2
Sampled Date Aug 30, 2024 11:35 AM
Sample Description Surface Water
Location อำเภอหนองฮี จังหวัดอุบลราชธานี
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Sodium	mg/L	0.03	0.05	1.75	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NH ₃ (B, F)	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O-G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	3.3	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	71	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	8.4	≥2	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤5	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	7.3	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

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Sample Number 2479328-2
Sampled Date Aug 30, 2024 11:35 AM
Sample Description Surface Water
Location อำเภอหนองฮี จังหวัดอุบลราชธานี
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.9	n/	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	92	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n/ Change from natural condition not more than 3 degree C
Sampling By : Asisak Promphai

Remark :
- LOD : Limit of Detection
- *C* : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation: ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

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Sample Number 2479328-3
Sampled Date Aug 30, 2024 12:00 PM
Sample Description Surface Water
Location อำเภอหนองฮี จังหวัดอุบลราชธานีระยะทาง 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	8.00	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	0.006	≤0.05	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	1.51	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.14	≤1	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision 1	Bangkok
SAR *	-	-	0.10	0.17	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Page 8 of 12

Sample Number 2479328-3
Sampled Date Aug 30, 2024 12:00 PM
Sample Description Surface Water
Location อำเภอหนองฮี จังหวัดอุบลราชธานีระยะทาง 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Sodium	mg/L	0.03	0.05	1.97	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NH ₃ (B, F)	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O-G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	3.3	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	72	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	7.5	≥2	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤5	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	7.0	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

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Analysis / Test Report



TESTING

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 9 of 12

Sample Number 2479328-3
Sample Date Aug 30, 2024 12:00 PM
Sample Description Surface Water
Location ตำบลท่าเรือ หมู่บ้านหนองนาหมื่น ตำบลท่าเรือ 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.3	n ^o	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	90	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Guideline : Notification of the National Environmental Board, No. B, E.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n^o: Change from Natural condition not more than 3 degree C
Sampling By : Asak Phomphai

Remark :
- LOD : Limit of Detection
- "n^o" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * were not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report



TESTING

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

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Sample Number 2479328-4
Sample Date Aug 30, 2024 9:50 AM
Sample Description Surface Water
Location ตำบลท่าเรือ หมู่บ้านหนองนาหมื่น ตำบลท่าเรือ 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	8.19	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Lead	mg/L	0.0003	0.0005	0.007	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	1.59	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.10	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
SAR *	-	-	0.10	0.15	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok

Approved by

Chanatt L.
Chanattagarn Inthom
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Analysis / Test Report



TESTING

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

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Sample Number 2479328-1
Sample Date Aug 30, 2024 9:50 AM
Sample Description Surface Water
Location ตำบลท่าเรือ หมู่บ้านหนองนาหมื่น ตำบลท่าเรือ 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Sodium	mg/L	0.03	0.05	1.82	No Standard	In-house method : STM 04-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NH3 (H, F)	Bangkok
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O5	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	3.4	No Standard	In-house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	60	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	9.3	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 O (C)	Bangkok
Nitrate as N	mg/L	0.06	0.2	<0.2	≤5	In-house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	6.7	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Remark :
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- Analyte(s) marked * were not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Chanatt L.
Chanattagarn Inthom
Section Head

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5 (Report)_AL/US.pdf (4/10/24)



Analysis / Test Report



TESTING

Lot ID: 2479328
Date Received : Aug 31, 2024
Date Reported : Sep 06, 2024
Report Number : 3052024-1

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 12 of 12

Sample Number 2479328-4
Sample Date Aug 30, 2024 9:50 AM
Sample Description Surface Water
Location ตำบลท่าเรือ หมู่บ้านหนองนาหมื่น ตำบลท่าเรือ 1,000 เมตร
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two glass vials, two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	29.4	n ^o	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L	-	5	108	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Guideline : Notification of the National Environmental Board, No. B, E.E.2537 Issued under the Enhancement and Conservation of National Environmental Quality Act, B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
n^o: Change from Natural condition not more than 3 degree C
Sampling By : Asak Phomphai

Remark :
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Approved by

Chanatt L.
Chanattagarn Inthom
Section Head

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5 (Report)_AL/US.pdf (4/10/24)

ภาคผนวก ค-8

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง (Equalization Pond)



Analysis / Test Report

TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3046750-1

Page 1 of 2

Sample Number : 2467295-3
Sampled Date : Jul 01, 2024 10:00 AM
Sample Description : Wastewater
Location : โรงบำบัดน้ำเสียรวมหมู่ : บ่อพักกากพ่น (Equalization Pond)
Date Analysis Commenced : Jul 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	<0.0005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	113	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	326	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
pH at 25 degree C *	-	-	-	7.4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Sulfide as H ₂ S *	mg/L	-	0.6	<0.6	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	30.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1296	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Savitree N.
Savitree Nolsangam
Manager
โทรศัพท์ 0-204-4-0007

Approved by

Karokorn Anek
Karokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-4-0004

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5/Report: 40 Test (up to 139%)



Analysis / Test Report

TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3046750-1

Page 2 of 2

Sample Number : 2467295-3
Sampled Date : Jul 01, 2024 10:00 AM
Sample Description : Wastewater
Location : โรงบำบัดน้ำเสียรวมหมู่ : บ่อพักกากพ่น (Equalization Pond)
Date Analysis Commenced : Jul 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	10.4	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	66	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Note : This Analysis test report is reissued to supersede report No.3046751-1, Date Reported : Jul 08, 2024 due to revise analytical information.
Sampling By : Anukun Wilsang โทรศัพท์ 0-204-4-0170
Remark :
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Technical Management

Savitree N.
Savitree Nolsangam
Manager
โทรศัพท์ 0-204-4-0007

Approved by

Karokorn Anek
Karokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-4-0004

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5/Report: 40 Test (up to 139%)



Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

Lot ID: 2479326
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078965-2

Page 2 of 2

Sample Number	2479326-3					
Sample Date	Aug 02, 2024 2:25 PM					
Sample Description	Wastewater					
Location	ระบบบำบัดน้ำเสียรวมหมู่ : บึงน้ำรวมหมู่ (Equalization Pond)					
Date Analysis Commenced	Aug 03, 2024					
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	10.7	Standard Methods for the Examination of Water and Wastewater, 1944, APHA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Sampling By : Anukun Wilsang วิไลวัฒนาวิทย์ 204-0-0170

Remark :
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Technical Management

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Savitree Nonsangam
Manager
วิไลวัฒนาวิทย์ 204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
วิไลวัฒนาวิทย์ 204-0-0004

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078965-2

Page 1 of 1

Sample Number	2479326-3						Page 1 of 1
Sample Date	Aug 02, 2024 2:25 PM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : บึงน้ำรวมหมู่ (Equalization Pond)						
Date Analysis Commenced	Aug 03, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location	
Metals Testing							
Calcium	mg/L	0.03	0.05	65.9	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1st ed., EPA Method 200.7	Bangkok	
Magnesium	mg/L	0.03	0.05	18.4	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1st ed., EPA Method 200.7	Bangkok	
SAR *	-	-	0.10	6.25	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1st ed., EPA Method 200.7	Bangkok	
Sodium	mg/L	0.03	0.05	245	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1st ed., EPA Method 200.7	Bangkok	
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	4.01	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok	
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1891	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok	
Nitrate as N *	mg/L	0.06	0.2	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 E	Bangkok	

Sampling By : Anukun Wilsang

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Approved by

Savitree N.
Savitree Nonsangam
Manager

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105530-1

Page 1 of 2

Sample Number	2492189-3						Page 1 of 1
Sample Date	Sep 02, 2024 9:30 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : บึงน้ำรวมหมู่ (Equalization Pond)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location	
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok	
Cadmium	mg/L	0.0003	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok	
Chromium	mg/L	0.0003	0.0005	0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok	
Lead	mg/L	0.0003	0.0005	0.008	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok	
Mercury *	mg/L	0.0001	0.0005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok	
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	357	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok	
COD	mg/L	-	25	711	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok	
pH at 25 degree C *	-	-	-	6.8	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - 11 (B)	Bangkok	
Sulfide *	mg/L	-	0.5	<0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-52 (C, F)	Bangkok	
Temperature *	Degree C	-	-	30.7	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok	
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1232	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok	

Technical Management

Savitree N.
Savitree Nonsangam
Manager
วิไลวัฒนาวิทย์ 204-0-0007

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
วิไลวัฒนาวิทย์ 204-0-0004

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Analysis / Test Report



TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105530-1

Page 2 of 2

Sample Number	2492189-3					Page 2 of 2
Sample Date	Sep 02, 2024 9:30 AM					
Sample Description	Wastewater					
Location	ระบบบำบัดน้ำเสียรวมหมู่ : บึงน้ำรวมหมู่ (Equalization Pond)					
Date Analysis Commenced	Sep 04, 2024					
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	7.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	88	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Sampling By : Anukun Wilsang วิไลวัฒนาวิทย์ 204-0-0170

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Savitree N.
Savitree Nonsangam
Manager
วิไลวัฒนาวิทย์ 204-0-0007

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Analysis / Test Report

TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105530-2

Page 1 of 1

Sample Number	2492189-3					
Sampled Date	Sep 02, 2024 9:30 AM					
Sample Description	Wastewater					
Location	ระบบบำบัดน้ำเสียรวมของ : โรงน้ำตาล (Equalization Pond)					
Date Analysis Commenced	Sep 04, 2024					
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Calcium	mg/L	0.03	0.05	69.9	In-house method : STM 05-01-4 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	17.2	In-house method : STM 05-01-4 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	8.62	In-house method : STM 05-01-4 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	310	In-house method : STM 05-01-4 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing						
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NH ₃ (B, F)	Bangkok
Conductivity at 25 degree C *	microhmhos/cm	-	0.5	2111	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NO ₃ E	Bangkok

Sampling By : Anukorn Wisingang

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Sauwatee N.
Savitree Nolsangiam
Manager

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Analysis / Test Report

TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132358-1

Page 2 of 2

Sample Number	24106187-3					
Sampled Date	Oct 01, 2024 9:10 AM					
Sample Description	Wastewater					
Location	ระบบบำบัดน้ำเสียรวมของ : โรงน้ำตาล (Equalization Pond)					
Date Analysis Commenced	Oct 03, 2024					
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	6.3	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	60	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Sampling By : Anukorn Wisingang โทร:09-0909777-204-4-0004

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Chanatt L.
Chanattagarn Inthom
Section Head
โทร:09-0909777-204-4-0008

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทร:09-0909777-204-4-0004

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Analysis / Test Report

TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132358-1

Page 1 of 2

Sample Number	24106187-3					
Sampled Date	Oct 01, 2024 9:10 AM					
Sample Description	Wastewater					
Location	ระบบบำบัดน้ำเสียรวมของ : โรงน้ำตาล (Equalization Pond)					
Date Analysis Commenced	Oct 03, 2024					
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)					
Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Metals Testing						
Arsenic	mg/L	0.003	0.005	0.001	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Cadmium	mg/L	0.003	0.005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Chromium	mg/L	0.003	0.005	0.007	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Lead	mg/L	0.003	0.005	0.004	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Mercury *	mg/L	0.001	0.005	Not Detected	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Water Testing						
BOD (5 days at 20 degree C)	mg/L	-	2.0	33.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - G	Bangkok
COD	mg/L	-	25	126	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 D	Bangkok
pH at 25 degree C	-	-	-	7.6	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (8)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (C, F)	Bangkok
Temperature *	Degree C	-	-	28.1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	972	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok

Technical Management

Chanatt L.
Chanattagarn Inthom
Section Head
โทร:09-0909777-204-4-0008

Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
โทร:09-0909777-204-4-0004

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TESTING
No.0009

Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160289-1

Page 1 of 1

Testing Location

Remark :

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Kanokkorn Anek,
Assistant General Manager
ทะเบียนเลขที่ 7-204-ด-0004

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TESTING
No.0009

Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160289-2

Page 1 of 2

Testing location

Sirluk Bunnak
Section Head

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TESTING
No.0009

Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160289-2

Page 2 of 2

Testing Location

Remark :

- LOD : Limit of Detection
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Sirluk Bunnak
Section Head

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TESTING
No. 0009

Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188795-1

Page 1 of 1

Testing operation

Kanokkorn Anek
Assistant General Manager
โทรศัพท์ 2-204-8-0008

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TESTING
No.0009

Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160289-2

Page 2 of 2

Testing Location

Remark :

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Sirluk Bunnak
Section Head

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Analysis / Test Report

TESTING
No.0009

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188795-1

Page 2 of 2

Sample Number	24117462-3
Sample Date	Dec 02, 2024 10:30 AM
Sample Description	Wastewater
Location	ระบบบำบัดน้ำเสียรวมของ : หนองน้ำ (Equalization Pond)
Date Analysis Commenced	Dec 04, 2024
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Temperature *	Degree C	-	-	25.8	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1272	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	10.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	97	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Sampling By : Adisak Phomphai สิบสองสามสี่ 204-0113

Remark :
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Technical Management

Savitree N.

Savitree Nisanglam
Manager
โทรศัพท์ 2-204-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 2-204-0004

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Analysis / Test Report

TESTING
No.0009

Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188795-2

Page 3 of 3

Sample Number	24117462-3
Sample Date	Dec 02, 2024 10:30 AM
Sample Description	Wastewater
Location	ระบบบำบัดน้ำเสียรวมของ : หนองน้ำ (Equalization Pond)
Date Analysis Commenced	Dec 04, 2024
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	87.0	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	15.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	6.08	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	235	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 NH3 (B, I)	Bangkok

Guideline :

Sampling By : Adisak Phomphai

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Savitree N.

Savitree Nisanglam
Manager

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ภาคผนวก ค-9

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง
(Inspection Tank ความสกปรกสูง)



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048751-1

Page 1 of 2

Sample Number	2467295-4						
Sampled Date	Jul 01, 2024 9:30 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างเก็บน้ำ (Inspection Tank)						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.008	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3020 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	128	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - G G	Bangkok
COD	mg/L	-	25	334	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 D	Bangkok
pH at 25 degree C *	-	-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Technical Management

Savitree N.

Savitree Nonsangam
Manager
โทรศัพท์ 0-204-60007

Approved by

Kanokorn A.

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-60004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048751-1

Page 2 of 2

Sample Number	2467295-4						
Sampled Date	Jul 01, 2024 9:30 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างเก็บน้ำ (Inspection Tank)						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide as H2S *	mg/L	-	0.6	<0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2530 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1912	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	13.7	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	132	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is reissued to supersede report No.3048752-1, Date Reported : Jul 08, 2024 due to revise analytical information.

Sampling By : Anukorn Watsang โทรศัพท์ 0-204-60007

Remark :
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Technical Management

Savitree N.

Savitree Nonsangam
Manager
โทรศัพท์ 0-204-60007

Approved by

Kanokorn A.

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-60004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048751-2

Page 1 of 2

Sample Number	2467295-4						
Sampled Date	Jul 01, 2024 9:30 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างเก็บน้ำ (Inspection Tank)						
Date Analysis Commenced	Jul 03, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	89.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	27.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	11.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	502	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	3449	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is reissued to supersede report No.3048752-1, Date Reported : Jul 08, 2024 due to revise analytical information.

Sampling By : Anukorn Watsang

Remark :
- LOD : Limit of Detection

Approved by

Savitree N.

Savitree Nonsangam
Manager

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5 (Page 1 of 2) (Page 2 of 2)



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048751-2

Page 2 of 2

Remark :
- "x" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * state not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Savitree N.

Savitree Nonsangam
Manager

Results refer to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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5 (Page 1 of 2) (Page 2 of 2)



Analysis / Test Report



TESTING

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078966-1

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaweapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number : 2479326-4
Sampled Date : Aug 02, 2024 2:30 PM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่ : โรงงานกระดาษ (Inspection Tank)
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.007	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	+	2.0	33.2	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 O G	Bangkok
COD	mg/L	+	25	332	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
pH at 25 degree C *		+	+	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 H (B)	Bangkok

Technical Management

Savitree N.

Savitree Nolsanjam
Manager
โทรศัพท์ : 0-204-1-0007

Approved by

Kamkorn Anek

Kamkorn Anek
Assistant General Manager
โทรศัพท์ : 0-204-1-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced or any form without written consent from the laboratory.

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5 Phatthanakan 43, 43, 43, 43, 43



Analysis / Test Report



TESTING

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078966-1

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaweapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number : 2479326-4
Sampled Date : Aug 02, 2024 2:30 PM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่ : โรงงานกระดาษ (Inspection Tank)
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	+	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	+	+	31.5	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	+	5	1800	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	12.1	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Hung (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	+	5	60	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Witsang
Remarks :
- LOD : Limit of Detection
- "+" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * were not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Technical Management

Savitree N.

Savitree Nolsanjam
Manager
โทรศัพท์ : 0-204-1-0007

Approved by

Kamkorn Anek

Kamkorn Anek
Assistant General Manager
โทรศัพท์ : 0-204-1-0004

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Analysis / Test Report



TESTING

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078966-2

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaweapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number : 2479326-4
Sampled Date : Aug 02, 2024 2:30 PM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่ : โรงงานกระดาษ (Inspection Tank)
Date Analysis Commenced : Aug 05, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	85.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	26.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		+	0.10	11.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	604	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	+	0.06	2.12	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (3, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	+	0.5	3493	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Witsang
Remarks :
- LOD : Limit of Detection
- "+" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * were not included in scope of Accreditation ISO/IEC 17025

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Approved by

Savitree N.

Savitree Nolsanjam
Manager

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Analysis / Test Report



TESTING

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078966-2

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumhaweapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number : 2479326-4
Sampled Date : Aug 02, 2024 2:30 PM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่ : โรงงานกระดาษ (Inspection Tank)
Date Analysis Commenced : Aug 05, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	85.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	26.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *		+	0.10	11.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	604	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	+	0.06	2.12	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (3, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	+	0.5	3493	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Witsang
Remarks :
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- "+" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

Savitree N.

Savitree Nolsanjam
Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105531-1

Page 1 of 2

Sample Number	2492189-4						
Sample Date	Sep 02, 2024 9:40 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างระทมพูน (Inspection Tank)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.01	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	152	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	361	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
pH at 25 degree C *	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Technical Management

Savitree N.

Savitree Nolsanglam
Manager
โทรศัพท์ 0-204-1-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-1-0004

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S/Report: 40 GL (pt 1/2) (M)

14/03/25 PMAL



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105531-1

Page 2 of 2

Sample Number	2492189-4						
Sample Date	Sep 02, 2024 9:40 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างระทมพูน (Inspection Tank)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	32.8	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1936	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	11.2	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	102	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wisansing วิจิตรวาทน์ 204-1-0170

Remark :

- LOD : Limit of Detection
- * : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Savitree N.

Savitree Nolsanglam
Manager
โทรศัพท์ 0-204-1-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 0-204-1-0004

Results seen to the service(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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S/Report: 40 GL (pt 2/2) (M)

14/03/25 PMAL



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105531-2

Page 1 of 2

Sample Number	2492189-4						
Sampled Date	Sep 02, 2024 9:40 AM						
Sample Description	Wastewater						
Location	ระบบบำบัดน้ำเสียรวมหมู่ : อ่างระทมพูน (Inspection Tank)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	86.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	21.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	14.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	564	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	3518	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wisansing

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

Approved by

Savitree N.

Savitree Nolsanglam
Manager

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RIGHT SOLUTIONS RIGHT PARTNER

S/Report: 40 GL (pt 2/2) (M)

14/03/25 PMAL



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105531-2

Page 2 of 2

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

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

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

Approved by

Savitree N.

Savitree Nolsanglam
Manager

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RIGHT SOLUTIONS RIGHT PARTNER

S/Report: 40 GL (pt 2/2) (M)

14/03/25 PMAL



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING

No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 10, 2024
Report Number : 3132359-1 Rev. No.1

Page 1 of 2

Sample Number : 24106187-4
Sampled Date : Oct 01, 2024 9:00 AM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่โรง : อ่างรวมหมู่ (Inspection Tank)
Date Analysis Commenced : Oct 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.01	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.003	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	25.3	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	166	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
pH at 25 degree C	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

Technical Management

Chanatt L.

Chanattagorn Inchom
Section Head
โทรศัพท์มือถือ : 09-0908

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 09-0908

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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5 Reports (Printed) 10.10.2024



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING

No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 10, 2024
Report Number : 3132359-1 Rev. No.1

Page 2 of 2

Sample Number : 24106187-4
Sampled Date : Oct 01, 2024 9:00 AM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่โรง : อ่างรวมหมู่ (Inspection Tank)
Date Analysis Commenced : Oct 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1360	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	9.5	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-horg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	92	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).

This Analysis test report is issued to supersede report No.3132359-1, Date Reported : Oct 08, 2024 due to revise guideline/specification

Sampling By : Anukun Wisangwan โทรศัพท์มือถือ : 09-0908

Remarks :
- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : Not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Technical Management

Chanatt L.

Chanattagorn Inchom
Section Head
โทรศัพท์มือถือ : 09-0908

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 09-0908

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING

No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 06, 2024
Report Number : 3132359-2

Page 1 of 2

Sample Number : 24106187-4
Sampled Date : Oct 01, 2024 9:00 AM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่โรง : อ่างรวมหมู่ (Inspection Tank)
Date Analysis Commenced : Oct 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	101	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	19.2	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SR *	-	-	0.10	10.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	423	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2620	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wisangwan

Remarks :
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421000632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING

No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 06, 2024
Report Number : 3132359-2

Page 2 of 2

Sample Number : 24106187-4
Sampled Date : Oct 01, 2024 9:00 AM
Sample Description : Wastewater
Location : ระบบบำบัดน้ำเสียรวมหมู่โรง : อ่างรวมหมู่ (Inspection Tank)
Date Analysis Commenced : Oct 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1360	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	9.5	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-horg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	92	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wisangwan

Remarks :
- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : Not included in scope of Accreditation ISO/IEC 17025
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Approved by

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3160290-1

Page 1 of 2

Sample Number 24117461-1
Sample Date Nov 01, 2024 9:30 AM
Sample Description Wastewater
Location โรงบำบัดน้ำเสียตามแหล่ง : อ่างระกาศพูน (Inspection Tank)
Date Analysis Commenced Nov 02, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	15.5	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-5	Bangkok
COD	mg/L	-	25	120	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
pH at 25 degree C	-	-	-	6.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-52 (C, F)	Bangkok

Technical Management

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Siriluk Bunnak
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Approved by

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Kanokorn Anek
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160290-1

Page 2 of 2

Sample Number 24117461-4
Sample Date Nov 01, 2024 9:30 AM
Sample Description Wastewater
Location โรงบำบัดน้ำเสียตามแหล่ง : อ่างระกาศพูน (Inspection Tank)
Date Analysis Commenced Nov 02, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1352	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	7.3	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-4500 (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukorn Wisingan โทรศัพท์มือถือ +66-9-0170

Remark :

- LOD : Limit of Detection
- * : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * were not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

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Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160290-2

Page 1 of 2

Sample Number 24117461-4
Sample Date Nov 01, 2024 9:30 AM
Sample Description Wastewater
Location โรงบำบัดน้ำเสียตามแหล่ง : อ่างระกาศพูน (Inspection Tank)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	65.7	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.004	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	17.8	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	9.13	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Solids	mg/L	0.03	0.05	356	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	2.69	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microsiemens/cm	-	0.5	2423	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	1.02	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (B, F)	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

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Approved by

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Siriluk Bunnak
Section Head

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160290-2

Page 2 of 2

Sample Number 24117461-4
Sample Date Nov 01, 2024 9:30 AM
Sample Description Wastewater
Location โรงบำบัดน้ำเสียตามแหล่ง : อ่างระกาศพูน (Inspection Tank)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1352	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	7.3	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-4500 (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

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Section Head

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3184796-1

Page 1 of 1

Sample Number 24117462-4
Sampled Date Dec 02, 2024 10:20 AM
Sample Description Wastewater
Location ระบบบำบัดน้ำเสียรวมหมู่ : คลองระกาวพร้าว (Inspection Tank)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0009	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.003	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	19.2	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O-G	Bangkok
COD	mg/L	-	25	114	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	2524	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok

Technical Management

Savitree N.
Savitree Nolsangiam
Manager
โทรศัพท์มือถือ : 09-2041-0007

Approved by

Kanokorn A.
Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 09-2041-0004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3184796-1

Page 3 of 3

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

Sample Number 24117462-4
Sampled Date Dec 02, 2024 10:20 AM
Sample Description Wastewater
Location ระบบบำบัดน้ำเสียรวมหมู่ : คลองระกาวพร้าว (Inspection Tank)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	83.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	16.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	10.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	392	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	1.17	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 NH3 (N, F)	Bangkok

Technical Management

Savitree N.
Savitree Nolsangiam
Manager
โทรศัพท์มือถือ : 09-2041-0007

Approved by

Kanokorn A.
Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 09-2041-0004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3184796-1

Page 2 of 1

Sample Number 24117462-4
Sampled Date Dec 02, 2024 10:20 AM
Sample Description Wastewater
Location ระบบบำบัดน้ำเสียรวมหมู่ : คลองระกาวพร้าว (Inspection Tank)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.06	0.2	1.47	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok
pH at 25 degree C	-	-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	24.3	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1376	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	5.7	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017)

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

Technical Management

Savitree N.
Savitree Nolsangiam
Manager
โทรศัพท์มือถือ : 09-2041-0007

Approved by

Kanokorn A.
Kanokorn Anek
Assistant General Manager
โทรศัพท์มือถือ : 09-2041-0004

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ภาคผนวก ค-10

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง (Inspection ความสกปรกต่ำ)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 10, 2024
Report Number : 3048748-1

Page 1 of 1

Sample Number 2467295-1
Sample Date Jul 01, 2024 9:40 AM
Sample Description Wastewater
Location บำบัดน้ำทิ้ง : คิวตรวจคุณภาพ (Inspection Tank)
Date Analysis Commenced Jul 03, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang โทร: 09-0011-204-0013
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Siriluk P.

Siriluk Bunrak
Section Head
โทร: 09-0011-204-0013

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทร: 09-0011-204-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 10, 2024
Report Number : 3048748-2

Page 1 of 1

Sample Number 2467295-1
Sample Date Jul 01, 2024 9:40 AM
Sample Description Wastewater
Location บำบัดน้ำทิ้ง : คิวตรวจคุณภาพ (Inspection Tank)
Date Analysis Commenced Jul 03, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	microhm/cm	-	0.5	2476	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2530 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Bunrak
Section Head

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078963-1

Page 1 of 1

Sample Number 2479326-1
Sample Date Aug 02, 2024 2:20 PM
Sample Description Wastewater
Location บำบัดน้ำทิ้ง : คิวตรวจคุณภาพ (Inspection Tank)
Date Analysis Commenced Aug 05, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.9	5.5-9.0	In house method : STM 04 003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang โทร: 09-0011-204-0013
Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

Siriluk P.

Siriluk Bunrak
Section Head
โทร: 09-0011-204-0013

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทร: 09-0011-204-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078963-2

Page 1 of 1

Sample Number 2479326-1
Sample Date Aug 02, 2024 2:20 PM
Sample Description Wastewater
Location บำบัดน้ำทิ้ง : คิวตรวจคุณภาพ (Inspection Tank)
Date Analysis Commenced Aug 06, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	microhm/cm	-	0.5	2067	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2530 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang
Remark :
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Approved by

Siriluk P.

Siriluk Bunrak
Section Head

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 319528-I

Page 1 of 1

Sample Number	2492189-I						
Sampled Date	Sep 02, 2024 9:50 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งจากบ่อพัก : อ่างระดมหมัก (Inspection Tank)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisansang วิเศษแสง ๖-204-๙-0170

Remark :
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Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
โทรศัพท์ ๖-204-๙-0013

Approved by

Kanokorn A.

Kanokorn Anuk
Assistant General Manager
โทรศัพท์ ๖-204-๙-0004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 319528-2

Page 1 of 1

Sample Number	2492189-I						
Sampled Date	Sep 02, 2024 9:50 AM						
Sample Description	Wastewater						
Location	ถังแยกน้ำตก : ถังรวมน้ำ (Inspection Tank)						
Date Analysis Commenced	Sep 04, 2024						
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	848	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisansang

Remark :
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Approved by

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Siriluk Bunnak
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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132356-I

Page 1 of 1

Sample Number	24106187-I						
Sampled Date	Oct 01, 2024 9:40 AM						
Sample Description	Wastewater						
Location	น้ำทิ้งจากบ่อพัก : อ่างระดมหมัก (Inspection Tank)						
Date Analysis Commenced	Oct 03, 2024						
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Temperature	Degree C	-	-	27.3	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisansang วิเศษแสง ๖-204-๙-0170

Remark :
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- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked "n" where not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Technical Management

Siriluk P.

Siriluk Bunnak
Section Head
โทรศัพท์ ๖-204-๙-0013

Approved by

Kanokorn A.

Kanokorn Anuk
Assistant General Manager
โทรศัพท์ ๖-204-๙-0004

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132356-2

Page 1 of 1

Sample Number	24106187-I							Page 1 of 1
Sampled Date	Oct 01, 2024 9:40 AM							
Sample Description	Wastewater							
Location	น้ำทิ้งจากบ่อพัก : อ่างระดมหมัก (Inspection Tank)							
Date Analysis Commenced	Oct 03, 2024							
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location	
Water Testing								
Conductivity at 25 degree C *	micromhos/cm	-	0.5	748	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok	

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisansang

Remark :
- LOD : Limit of Detection
- "c" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked "n" where not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Approved by

Siriluk P.

Siriluk Bunnak
Section Head

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5. (Rev.01) 01.01.2024



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3160287-1

Page 1 of 1

Sample Number 24117461-1
Sampled Date Nov 01, 2024 9:45 AM
Sample Description Wastewater
Location บ้านสวนหมาก : บ้านสวนหมาก (Inspection Tank)
Date Analysis Commenced Nov 04, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (8)	Bangkok
Temperature *	Degree C	-	-	29.8	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisangwong vici000000125343-00170

Remark :
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* "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
* Analyte(s) marked "x" were not included in scope of Accreditation ISO/IEC 17025
* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Burmak
Section Head
vici000000125343-00113

Approved by

Kanokorn Anuk

Kanokorn Anuk
Assistant General Manager
vici000000125343-00004

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S: Phatthakanan 40, Group 13 (40/13)

MS2023 0140



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24117462
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160287-2

Page 1 of 1

Sample Number 24117462-1
Sampled Date Nov 01, 2024 9:45 AM
Sample Description Wastewater
Location บ้านสวนหมาก : บ้านสวนหมาก (Inspection Tank)
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	926	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Anukun Wisangwong

Remark :
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* "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Burmak
Section Head

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S: Phatthakanan 40, Group 13 (40/13)

MS2023 0140



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188793-1

Page 1 of 1

Sample Number 24117462-1
Sampled Date Dec 02, 2024 10:40 AM
Sample Description Wastewater
Location บ้านสวนหมาก : บ้านสวนหมาก (Inspection Tank)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
pH at 25 degree C	-	-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (8)	Bangkok
Temperature *	Degree C	-	-	24.5	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Adisak Phomphai vici000000125343-00113

Remark :
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* Analyte(s) marked "x" were not included in scope of Accreditation ISO/IEC 17025
* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Burmak
Section Head
vici000000125343-00113

Approved by

Kanokorn Anuk

Kanokorn Anuk
Assistant General Manager
vici000000125343-00004

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MS2023 0140



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188793-2

Page 1 of 1

Sample Number 24117462-1
Sampled Date Dec 02, 2024 10:40 AM
Sample Description Wastewater
Location บ้านสวนหมาก : บ้านสวนหมาก (Inspection Tank)
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Conductivity at 25 degree C	micromhos/cm	-	0.5	1256	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Adisak Phomphai

Remark :
* LOD : Limit of Detection
* "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Burmak
Section Head

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S: Phatthakanan 40, Group 13 (40/13)

MS2023 0140

ภาคผนวก ค-11

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง (Retention Pound)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048749-1

Page 1 of 2

Sample Number 2467295-2
Sampled Date Jul 01, 2024 9:50 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Jul 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125-B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125-B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.005	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125-B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.003	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125-B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.1	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210-B, part 4500 - O G	Bangkok
COD	mg/L	-	25	169	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220-D	Bangkok
pH at 25 degree C *	-	-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Technical Management

Savitree N.

Savitree Nolsangiam
Manager
โทรศัพท์ 09-204-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 09-204-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048749-1

Page 2 of 2

Sample Number 2467295-2
Sampled Date Jul 01, 2024 9:50 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Jul 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide as H ₂ S *	mg/L	-	0.6	<0.6	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	31.4	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2530-B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1672	≤2000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540-C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	11.1	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	46	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540-D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is issued to supersede report No.3048750-1, Date Reported : Jul 08, 2024 due to revise analytical information.

Sampling By : Anukorn Wilsang โทรศัพท์ 09-204-0010

Remark :

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Technical Management

Savitree N.

Savitree Nolsangiam
Manager
โทรศัพท์ 09-204-0007

Approved by

Kanokorn Anek

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 09-204-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048749-2

Page 1 of 2

Sample Number 2467295-2
Sampled Date Jul 01, 2024 9:50 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Jul 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	74.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	23.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	11.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	434	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	1.77	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH ₃ (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2992	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510-B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO ₃ E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Note : This Analysis test report is issued to supersede report No.3048750-1, Date Reported : Jul 08, 2024 due to revise analytical information.

Sampling By : Anukorn Wilsang

Remark :
* LOD : Limit of Detection

Approved by

Savitree N.

Savitree Nolsangiam
Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2467295
Date Received : Jul 02, 2024
Date Reported : Jul 12, 2024
Report Number : 3048749-2

Page 2 of 2

* *C* : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Analysis / Test Report



TESTING
No.0009

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078964-1

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 2

Sample Number : 2479326-2
Sampled Date : Aug 02, 2024 1:30 PM
Sample Description : Wastewater
Location : Retention Pond
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.005	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	18.8	≤20	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	201	≤120	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
pH at 25 degree C *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Technical Management

Savitree N.
Savitree Noksangam
Manager
โทรศัพท์ 09-2041-0007

Approved by

Karokorn Anek
Karokorn Anek
Assistant General Manager
โทรศัพท์ 09-2041-0004

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14025-21-0901

5 (Warning) 40 (Caution) 1 (Error)



Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 2

Sample Number : 2479326-2
Sampled Date : Aug 02, 2024 1:30 PM
Sample Description : Wastewater
Location : Retention Pond
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	31.4	≤40	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1548	≤3000	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	10.3	<100	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 Norg (C)	Bangkok
Total Suspended Solids Dried at 105-105 degree C	mg/L	-	5	45	≤50	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang

Remarks :
• LOD : Limit of Detection
• "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
• Analyte(s) marked * : value not included in scope of Accreditation ISO/IEC 17025
• The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Technical Management

Savitree N.
Savitree Noksangam
Manager
โทรศัพท์ 09-2041-0007

Approved by

Karokorn Anek
Karokorn Anek
Assistant General Manager
โทรศัพท์ 09-2041-0004

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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14025-21-0901

5 (Warning) 40 (Caution) 1 (Error)



Analysis / Test Report



TESTING
No.0009

Lot ID: 2479326
Date Received : Aug 03, 2024
Date Reported : Aug 09, 2024
Report Number : 3078964-2

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 1 of 2

Sample Number : 2479326-2
Sampled Date : Aug 02, 2024 1:30 PM
Sample Description : Wastewater
Location : Retention Pond
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	72.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	23.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	13.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	521	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	2.86	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	3043	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang

Remarks :
• LOD : Limit of Detection
• "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
• Analyte(s) marked * : value not included in scope of Accreditation ISO/IEC 17025

Approved by

Savitree N.
Savitree Noksangam
Manager

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14025-21-0901

5 (Warning) 40 (Caution) 1 (Error)



Analysis / Test Report



TESTING
No.0009

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Page 2 of 2

Sample Number : 2479326-2
Sampled Date : Aug 02, 2024 1:30 PM
Sample Description : Wastewater
Location : Retention Pond
Date Analysis Commenced : Aug 03, 2024
Condition of Sample : Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	72.9	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	23.5	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	13.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	521	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	2.86	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	3043	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wilsang

Remarks :
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• "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
• Analyte(s) marked * : value not included in scope of Accreditation ISO/IEC 17025

Approved by

Savitree N.
Savitree Noksangam
Manager

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14025-21-0901

5 (Warning) 40 (Caution) 1 (Error)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009

Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105529-1

Page 1 of 2

Sample Number 2492189-2
Sampled Date Sep 02, 2024 10:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Sep 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.007	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	23.9	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, 5210 C	Bangkok
COD	mg/L	-	25	183	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
pH at 25 degree C *	-	-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Technical Management

Savitree N.
Savitree Nongsangiam
Manager
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Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
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Results apply to the samples as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.

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S (Thailand) Co., Ltd. (7/2019)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No 10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Lot ID: 2492189
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3105529-1

Page 2 of 2

Sample Number 2492189-2
Sampled Date Sep 02, 2024 10:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Sep 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-52 (C, F)	Bangkok
Temperature *	Degree C	-	-	34.7	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1708	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	9.5	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	51	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Effluent standard for factories, Industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of the Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukorn Witsangrit +66-8-0004

Remarks :
- LOD : Limit of Detection
- "C" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Savitree N.
Savitree Nongsangiam
Manager
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Approved by

Kanokorn Anek
Kanokorn Anek
Assistant General Manager
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S (Thailand) Co., Ltd. (7/2019)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132357-1

Page 1 of 2

Sample Number 24106187-2
Sampled Date Oct 01, 2024 9:20 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Oct 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.009	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.003	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	34.2	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	158	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
pH at 25 degree C	-	-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok

Technical Management
Chanatt L.
Chanattagorn Inchan
Section Head
w00000001-204-0008

Approved by
Kasikorn Anek
Kasikorn Anek
Assistant General Manager
w00000001-204-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132357-1

Page 2 of 2

Sample Number 24106187-2
Sampled Date Oct 01, 2024 9:20 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Oct 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	29.2	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1280	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	8.2	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukorn Wilsang w00000001-204-0010

Remark
* LOD : Limit of Detection
* "L" : Lower than LOQ (Limit of Quantitation) / LOQ (Limit of Reporting)
* Analyte(s) marked * refers not included in scope of Accreditation ISO/IEC 17025
* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chanatt L.
Chanattagorn Inchan
Section Head
w00000001-204-0008

Approved by
Kasikorn Anek
Kasikorn Anek
Assistant General Manager
w00000001-204-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132357-2

Page 1 of 2

Sample Number 24106187-2
Sampled Date Oct 01, 2024 9:20 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Oct 03, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	78.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Magnesium	mg/L	0.03	0.05	17.8	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	10.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	400	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2481	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Remark
* LOD : Limit of Detection
* "L" : Lower than LOQ (Limit of Quantitation) / LOQ (Limit of Reporting)
* Analyte(s) marked * refers not included in scope of Accreditation ISO/IEC 17025

Approved by
Chanatt L.
Chanattagorn Inchan
Section Head

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24106187
Date Received : Oct 02, 2024
Date Reported : Oct 08, 2024
Report Number : 3132357-2

Page 2 of 2

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

Approved by
Chanatt L.
Chanattagorn Inchan
Section Head

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ALS-25 ENGL 5 Phramthanak Bld. Group (7.50PP)



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160258-1

Page 1 of 2

Sample Number 24117461-2
Sampled Date Nov 01, 2024 9:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Nov 02, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.001	<0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	<0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.005	<0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	<0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	8.6	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - C G	Bangkok
COD	mg/L	-	25	159	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - C G	Bangkok
pH at 25 degree C	-	-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - G2 (C, F)	Bangkok

Technical Management

Siriluk P.
Siriluk Bunrak
Section Head
โทรศัพท์ 09-2091-00013

Approved by

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 09-2091-00004

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Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160258-2

Page 1 of 2

Sample Number 24117461-2
Sampled Date Nov 01, 2024 9:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	64.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.004	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	16.8	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAF *	-	-	0.10	11.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	412	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	1.78	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2402	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Approved by

Siriluk P.
Siriluk Bunrak
Section Head

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1402522 EPA



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160258-1

Page 2 of 2

Sample Number 24117461-2
Sampled Date Nov 01, 2024 9:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Nov 02, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Temperature *	Degree C	-	-	31.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1312	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	7.6	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Anukun Wiasang โทรศัพท์ 09-2091-00170

Remarks :

- LOD : Limit of Detection
- "x" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.
Siriluk Bunrak
Section Head
โทรศัพท์ 09-2091-00013

Approved by

Kanokorn Anek
Assistant General Manager
โทรศัพท์ 09-2091-00004

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Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING

No.0009
Lot ID: 24117461
Date Received : Nov 02, 2024
Date Reported : Nov 08, 2024
Report Number : 3160258-2

Page 2 of 2

Sample Number 24117461-2
Sampled Date Nov 01, 2024 9:00 AM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Nov 05, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Calcium	mg/L	0.03	0.05	64.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.004	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	16.8	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAF *	-	-	0.10	11.6	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	412	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	-	0.06	1.78	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2402	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 E	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Approved by

Siriluk P.
Siriluk Bunrak
Section Head

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1402522 EPA



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188794-1

Page 1 of 3

Sample Number 24117462-2
Sampled Date Dec 02, 2024 12:00 PM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pre-treatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0009	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3020 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.01	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.0006	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3125 B.3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 3112	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.4	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	154	≤120	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Bangkok
Conductivity at 25 degree C *	microhm/cm	-	0.5	2510	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2510 B	Bangkok

Technical Management

Savitree N.

Savitree Nongsangam
Manager
vn30uawm7-204-v-0007

Approved by

Kanokorn A.

Kanokorn Anek
Assistant General Manager
vn30uawm7-204-v-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188794-1

Page 3 of 3

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

Technical Management

Savitree N.

Savitree Nongsangam
Manager
vn30uawm7-204-v-0007

Approved by

Kanokorn A.

Kanokorn Anek
Assistant General Manager
vn30uawm7-204-v-0004

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 24117462
Date Received : Dec 03, 2024
Date Reported : Dec 10, 2024
Report Number : 3188794-1

Page 2 of 3

Sample Number 24117462-2
Sampled Date Dec 02, 2024 12:00 PM
Sample Description Wastewater
Location Retention Pond
Date Analysis Commenced Dec 04, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pre-treatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as N *	mg/L	0.06	0.2	Not Detected	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 NO ₃ E	Bangkok
pH at 25 degree C	-	-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Bangkok
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Bangkok
Temperature *	Degree C	-	-	29.9	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	1340	≤3000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	8.5	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 4500 Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	39	≤50	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Bangkok

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).

Sampling By : Adisak Phonphai vn30uawm7-204-v-0113

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

Technical Management

Savitree N.

Savitree Nongsangam
Manager
vn30uawm7-204-v-0007

Approved by

Kanokorn A.

Kanokorn Anek
Assistant General Manager
vn30uawm7-204-v-0004

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ภาคผนวก ค-12

ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดิน



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095676-1

Page 1 of 2

Sample Number 2479345-1
Sampled Date Aug 21, 2024 1:00 PM
Sample Description น้ำประปาจากท่อ
Location บริเวณโถงทางผ่านอาคารโหล่งน้ำใต้ดินชุด 1
Date Analysis Commenced Aug 23, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.006	0.1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.003	6.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.04	4.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	3.88	33	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Nickel	mg/L	0.0003	0.0005	0.006	5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management *Chanatt L.* Approved by *Chanatt L.*
Chanattagn Imchom Assistant General Manager
วันเดือนปี 2024-08-08

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5 (Report) 14.25 (1.0 2004)



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095676-1

Page 2 of 2

Sample Number 2479345-1
Sampled Date Aug 21, 2024 1:00 PM
Sample Description น้ำประปาจากท่อ
Location บริเวณโถงทางผ่านอาคารโหล่งน้ำใต้ดินชุด 1
Date Analysis Commenced Aug 23, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.04	10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
pH at 25 degree C *				7.0	6.5-9.2 (1)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (8)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
(1) : ตามมติที่ประชุมคณะกรรมการป้องกันและปราบปรามการทุจริตแห่งชาติว่าด้วยการติดตามและควบคุมการปนเปื้อนในดินและน้ำใต้ดิน
ตัวอย่างที่ส่งมาเพื่อวิเคราะห์ในห้องปฏิบัติการของ ALS มีดังนี้ :
1. ตัวอย่างน้ำประปาจากท่อโหล่งน้ำใต้ดินชุด 1 : 6.5-9.2
2. ตัวอย่างน้ำประปาจากท่อโหล่งน้ำใต้ดินชุด 2 : 6.5-9.2
Sampling By : Anukun Wiassang โทร.09-0000-1704-0170
Remark :
+ LOD : Limit of Detection
+ "nd" : Lower than LOQ (Limit of Quantification) / LOB (Limit of Reporting)
+ Analyte marked * value not included in scope of Accredited ISO/IEC 17025
+ The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management *Chanatt L.* Approved by *Chanatt L.*
Chanattagn Imchom Assistant General Manager
วันเดือนปี 2024-08-08

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5 (Report) 14.25 (1.0 2004)



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095676-2

Page 1 of 2

Sample Number 2479345-1
Sampled Date Aug 21, 2024 1:00 PM
Sample Description น้ำประปาจากท่อ
Location บริเวณโถงทางผ่านอาคารโหล่งน้ำใต้ดินชุด 1
Date Analysis Commenced Aug 23, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminum	mg/L	0.003	0.005	1.46	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	129	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Copper	mg/L	0.0003	0.0005	0.004	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	8.31	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	34.6	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *			0.10	8.00	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	397	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Microbiological Testing							
Fecal Coliform *	MPN/100mL			490.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok

Approved by *Chanatt L.*
Chanattagn Imchom
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5 (Report) 14.25 (1.0 2004)



Analysis / Test Report

Client : Kasot Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095676-2

Page 2 of 2

Sample Number 2479345-1
Sampled Date Aug 21, 2024 1:00 PM
Sample Description น้ำประปาจากท่อ
Location บริเวณโถงทางผ่านอาคารโหล่งน้ำใต้ดินชุด 1
Date Analysis Commenced Aug 23, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform *	MPN/100mL			130000.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L		0.06	1.11	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 NH3 (B, F)	Bangkok
BOD (5 days at 20 degree C)	mg/L		2.0	<2.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
Chloride as Cl *	mg/L	0.06	0.2	455	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Conductivity at 25 degree C *	microhm/cm		0.5	2916	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as N	mg/L	0.06	0.2	Not Detected	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Sulfate *	mg/L	0.15	0.5	5.2	No Standard	In - house method : STM 04-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C *	mg/L		5	1469	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Approved by *Chanatt L.*
Chanattagn Imchom
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Analysis / Test Report



TESTING
No.0009

Lot ID: 2479345

Date Received : Aug 22, 2024

Date Reported : Aug 28, 2024

Report Number : 3095677-2

Page 3 of 3

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number 2479345-1
Sampled Date Aug 21, 2024 1:00 PM
Sample Description น้ำดื่มจากบ่อน้ำ
Location บริเวณพื้นที่ทำเกษตรกรรมในเขตอำเภอโพนพิสัย 1
Date Analysis Commenced Aug 22, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	+	1	489	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	+	5	1577	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	+	5	106	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Sampling By : Anukorn Wisansing

Remark :
+ LOD : Limit of Detection
+ "c" : Lower than LOQ (Limit of Quantitation) / LOB (Limit of Reporting)
+ Analyte(s) marked * refers not included in scope of Accreditation ISO/IEC 17025
+ The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report



TESTING
No.0009

Lot ID: 2479345

Date Received : Aug 22, 2024

Date Reported : Aug 28, 2024

Report Number : 3095677-1

Page 1 of 2

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number 2479345-2
Sampled Date Aug 21, 2024 12:30 PM
Sample Description น้ำดื่มจากบ่อน้ำ
Location บริเวณพื้นที่ทำเกษตรกรรมในเขตอำเภอโพนพิสัย 2
Date Analysis Commenced Aug 22, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	0.1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0005	6.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	4.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.08	33	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Approved by

Kanokorn Anek
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TESTING
No.0009

Lot ID: 2479345

Date Received : Aug 22, 2024

Date Reported : Aug 28, 2024

Report Number : 3095677-1

Page 2 of 2

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number 2479345-2
Sampled Date Aug 21, 2024 12:30 PM
Sample Description น้ำดื่มจากบ่อน้ำ
Location บริเวณพื้นที่ทำเกษตรกรรมในเขตอำเภอโพนพิสัย 2
Date Analysis Commenced Aug 22, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.01	10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
pH at 25 degree C *	-	-	-	6.9	6.5-9.2 (1)	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
(1) : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)

Sampling By : Anukorn Wisansing โทรศัพท์ : +204-4-0170

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

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Analysis / Test Report



TESTING
No.0009

Lot ID: 2479345

Date Received : Aug 22, 2024

Date Reported : Aug 28, 2024

Report Number : 3095677-2

Page 1 of 3

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Sample Number 2479345-2
Sampled Date Aug 21, 2024 12:30 PM
Sample Description น้ำดื่มจากบ่อน้ำ
Location บริเวณพื้นที่ทำเกษตรกรรมในเขตอำเภอโพนพิสัย 2
Date Analysis Commenced Aug 22, 2024
Condition of Sample Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminum	mg/L	0.003	0.005	0.29	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	146	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Copper	mg/L	0.0003	0.0005	0.0007	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	1.17	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	20.3	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	-	-	0.10	0.48	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	23.4	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Microbiological Testing							
Fecal Coliform *	MPN/100mL	-	-	49.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5221 B & E	Bangkok

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TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095678-2



Analysis / Test Report

TESTING
No. 0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095678-2

Sample Number	2479345-3
Sampled Date	Aug 21, 2024 11:50 AM
Sample Description	บดผสมทราย
Location	บริเวณที่ศึกษาที่หน่วยการทดสอบน้ำใต้ดินจุดที่ 3
Date Analysis Commenced	Aug 22, 2024
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USFPA).

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminum	mg/L	0.003	0.005	0.37	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	209	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	24.3	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	34.1	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
SAR *	"	"	0.10	3.67	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	217	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Microbiological Testing							
Fecal Coliform *	MPN/100mL	"	"	330.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, 1	Bangkok

Approved by Chanatt L.
Chanattagarn Imchom
Section Head

Approved by Chamatt L.
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TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3095678-2



Analysis / Test Report

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 28, 2024
Report Number : 3005630-1

Sample Number	2479345-3
Sampled Date	Aug 21, 2024 11:50 AM
Sample Description	น้ำดื่มจากตู้หยอด
Location	บริเวณหอประชุมฝ่ายการเกษตรและปศุสัตว์ 3
Date Analysis Commenced	Aug 22, 2024
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pre-treatment / preservation standards (APHA,

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	-	1	653	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, pp. 2140 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	1605	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, pp. 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	49	No Standard	Standard Methods for the Examination of Water and Wastewater: APHA, AWWA & WEF, 23rd ed., 2017, pp. 2540 B	Bangkok

Remark:

- * LOD : Limit of Detection
- * "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- * Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- * The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Approved by Chanatt L.
Chanattagarn Imchom
Section Head

Approved by Kanok Korn Anuk
Kanok Korn Anuk
Assistant General Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

TESTING
No.0009
Lot ID: 2479345
Date Received : Aug 22, 2024
Date Reported : Aug 26, 2024
Report Number : 3095680-2

Page 3 of 3

Sample Number	2479345-5						
Sample Date	Aug 21, 2024 11:00 AM						
Sample Description	เบตตคก/กรร						
Location	บริเวณพื้นที่ทางเหนือของอาคารโรงกลั่น						
Date Analysis Commenced	Aug 22, 2024						
Condition of Sample	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Hardness as CaCO ₃ *	mg/L	-	1	348	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2390 C	Bangkok
Total Solids Dried at 103-105 degree C *	mg/L	-	5	741	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 B	Bangkok
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	14	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Sampling By : Anukun Wilsang

- Remark :
- LOD : Limit of Detection
 - "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
 - Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
 - The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Approved by

Chanatt L.
Chanattarn Imchom
Section Head

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5 (Report)_01_01_01 (4.1009)

ภาคผนวก ค-13

ผลการตรวจวิเคราะห์คุณภาพดินบริเวณพื้นที่ที่นำกากตะกอนหม้อ
กรองและนำไปใช้ประโยชน์



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number : 3111057-1

Page 1 of 8

Sample Number 24106191-1
Sampled Date Oct 21, 2024 9:30 AM
Sample Description Soil
Location อำเภอภูพาน จังหวัดอุดรธานี รหัส 1 (GPS 48Q 278753, 1899257)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Chemical Testing							
Carbon/Nitrogen	%	-	-	21.0	No Standard	Base on US EPA, Calculated	Bangkok
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	11.7	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Nitrate as N	mg/kg	-	1.0	<1.0	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Organic matter	%	-	-	0.33	No Standard	Soil Chemical Methods - Australia (2011)	Rayong
Metals Testing							
Arsenic	mg/kg	-	0.50	0.70	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Chromium	mg/kg	-	1.00	6.96	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	6.39	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	37.8	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Physical Parameters							
Moisture	%	-	0.1	8.3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil particle density	g/cm ³	-	-	3.76	No Standard	Method of Soil Analysis	Bangkok
Soil Testing							

Result refers to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) Private Limited warrants that this report is not reproduced except in full.

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Savitree Nonsingam
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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number : 3111057-1

Page 2 of 8

Sample Number 24106191-1
Sampled Date Oct 21, 2024 9:30 AM
Sample Description Soil
Location อำเภอภูพาน จังหวัดอุดรธานี รหัส 1 (GPS 48Q 278753, 1899257)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Soil Testing							
Bulk Density	g/cm ³	-	-	1.92	No Standard	Method of Soil Analysis part I, Core Method	Bangkok
pH aqueous phase 50% (w/v)		-	-	6.7	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Porosity	%	-	-	48.94	No Standard	Method of Soil Analysis part I, Physical and Mineralogical Methods Second Edition, SSSA	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E. 2564
Class 2: Soil usage for commercial, agricultural and others.
Sampling By : Apichart Waiars

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOB (Limit of Reporting)

Approved by

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Savitree Nonsingam
Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number : 3111057-1

Page 3 of 8

Sample Number 24106191-2
Sampled Date Oct 21, 2024 10:00 AM
Sample Description Soil
Location อำเภอภูพาน จังหวัดอุดรธานี รหัส 2 (GPS 48Q 278830, 1899606)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Chemical Testing							
Carbon/Nitrogen	%	-	-	16.0	No Standard	Base on US EPA, Calculated	Bangkok
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	15.0	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Nitrate as N	mg/kg	-	1.0	<1.0	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Organic matter	%	-	-	0.40	No Standard	Soil Chemical Methods - Australia (2011)	Rayong
Metals Testing							
Arsenic	mg/kg	-	0.50	0.59	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Chromium	mg/kg	-	1.00	7.23	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	8.78	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	56.5	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Physical Parameters							
Moisture	%	-	0.1	7.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok
Soil particle density	g/cm ³	-	-	2.60	No Standard	Method of Soil Analysis	Bangkok
Soil Testing							

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number : 3111057-1

Page 4 of 8

Sample Number 24106191-2
Sampled Date Oct 21, 2024 10:00 AM
Sample Description Soil
Location อำเภอภูพาน จังหวัดอุดรธานี รหัส 2 (GPS 48Q 278830, 1899606)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Soil Testing							
Bulk Density	g/cm ³	-	-	1.69	No Standard	Method of Soil Analysis part I, Core Method	Bangkok
pH aqueous phase 50% (w/v)		-	-	7.7	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Porosity	%	-	-	35.0	No Standard	Method of Soil Analysis part I, Physical and Mineralogical Methods Second Edition, SSSA	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E. 2564
Class 2: Soil usage for commercial, agricultural and others.
Sampling By : Apichart Waiars

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOB (Limit of Reporting)

Approved by

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number: 3111057-1

Page 5 of 8

Sample Number 24106191-3
Sampled Date Oct 21, 2024 10:30 AM
Sample Description Soil
Location บ้านกุดโพธิ์สามพันไร่ ตำบล 3 (GPS 48Q 278443, 1892970)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Chemical Testing							
Carbon/Nitrogen	%	-	-	19.0	No Standard	Base on US EPA, Calculated	Bangkok
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	69.0	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Nitrate as N	mg/kg	-	1.0	1.0	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Organic matter	%	-	-	1.21	No Standard	Soil Chemical Methods - Australia (2011)	Rayong
Metals Testing							
Arsenic	mg/kg	-	0.50	0.83	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Chromium	mg/kg	-	1.00	9.68	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	21.8	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	107	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Physical Parameters							
Moisture	%	-	0.1	12.3	No Standard	In house method based on Standard Method for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2013, part 2540 G	Bangkok
Soil particle density	g/cm3	-	-	2.60	No Standard	Method of Soil Analysis	Bangkok
Soil Testing							

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of the report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) publicly recommends that this report is not reproduced without ALS.

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1402-22 (ENGL)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number: 3111057-1

Page 6 of 8

Sample Number 24106191-3
Sampled Date Oct 21, 2024 10:30 AM
Sample Description Soil
Location บ้านกุดโพธิ์สามพันไร่ ตำบล 3 (GPS 48Q 278443, 1892970)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Soil Testing							
Bulk Density	g/cm3	-	-	1.68	No Standard	Method of Soil Analysis part I, Core Method	Bangkok
pH aqueous phase 50% (w/v)		-	-	8.0	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Porosity	%	-	-	35.38	No Standard	Method of Soil Analysis part I, Physical and Mineralogical Methods Second Edition, SSSA	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564
Class 2: Soil usage for commercial, agricultural and others.
Sampling By : Apichart Wiro

Remark :
LOD : Limit of Detection
" < " : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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5 (Approved) Ref: AL_01_01 (5/24/25)

1402-22 (ENGL)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number: 3111057-1

Page 7 of 8

Sample Number 24106191-4
Sampled Date Oct 21, 2024 11:00 AM
Sample Description Soil
Location บ้านกุดโพธิ์สามพันไร่ ตำบล 4 (GPS 48Q 278443, 1892970)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Chemical Testing							
Carbon/Nitrogen	%	-	-	21.0	No Standard	Base on US EPA, Calculated	Bangkok
Conductivity aqueous phase 20% (w/v)	micromhos/cm	-	-	67.4	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Nitrate as N	mg/kg	-	1.0	2.2	No Standard	Soil Chemical Methods - Australia (2011)	Bangkok
Organic matter	%	-	-	1.47	No Standard	Soil Chemical Methods - Australia (2011)	Rayong
Metals Testing							
Arsenic	mg/kg	-	0.50	0.62	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Chromium	mg/kg	-	1.00	7.39	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Lead	mg/kg	-	1.00	27.2	≤800	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Manganese	mg/kg	-	1.00	96.9	≤19640	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Physical Parameters							
Moisture	%	-	0.1	13.3	No Standard	In house method based on Standard Method for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24th ed., 2013, part 2540 G	Bangkok
Soil particle density	g/cm3	-	-	2.67	No Standard	Method of Soil Analysis	Bangkok
Soil Testing							

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Savitree Nonsianglam
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5 (Approved) Ref: AL_01_01 (5/24/25)

1402-22 (ENGL)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24106191
Date Received : Oct 22, 2024
Date Reported : Nov 25, 2024
Report Number: 3111057-1

Page 8 of 8

Sample Number 24106191-4
Sampled Date Oct 21, 2024 11:00 AM
Sample Description Soil
Location บ้านกุดโพธิ์สามพันไร่ ตำบล 4 (GPS 48Q 278443, 1892970)
Date Analysis Commenced Oct 22, 2024
Condition of Sample Packed in two plastic bags, one amber glass bottle and porosity tube, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOQ)	Result	Guideline / Specification	Method	Testing Location
Soil Testing							
Bulk Density	g/cm3	-	-	1.56	No Standard	Method of Soil Analysis part I, Core Method	Bangkok
pH aqueous phase 50% (w/v)		-	-	8.1	No Standard	United States Environmental Protection Agency, EPA Method 9045 D	Bangkok
Porosity	%	-	-	41.57	No Standard	Method of Soil Analysis part I, Physical and Mineralogical Methods Second Edition, SSSA	Bangkok

Guideline : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564
Class 2: Soil usage for commercial, agricultural and others.
Sampling By : Apichart Wiro

Remark :
LOD : Limit of Detection
" < " : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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5 (Approved) Ref: AL_01_01 (5/24/25)

1402-22 (ENGL)

ภาคผนวก ค-14

ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดินบริเวณพื้นที่ที่นำกากตะกอน
หม้อกรองและเข้าไปใช้ประโยชน์



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Sample Number 2492192-1
Sample Date Sep 03, 2024 1:10 PM
Sample Description Underground Water
Location นอกพื้นที่ขุดเจาะในบริเวณพื้นที่ที่ดำเนินการขุดเจาะและทำการทดสอบเพื่อหาปริมาณ (นอกพื้นที่ 3)
Date Analysis Commenced Sep 05, 2024
Condition of Sample Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Page 1 of 12

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	27.4	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.001	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	19.9	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.07	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Sample Number 2492192-1
Sample Date Sep 03, 2024 1:10 PM
Sample Description Underground Water
Location นอกพื้นที่ขุดเจาะในบริเวณพื้นที่ที่ดำเนินการขุดเจาะและทำการทดสอบเพื่อหาปริมาณ (นอกพื้นที่ 3)
Date Analysis Commenced Sep 05, 2024
Condition of Sample Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

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Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Mercury	mg/L	0.0001	0.0005	<0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2007, EPA Method 1631, Revision E	Bangkok
SAR *	-	-	0.10	13.3	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	375	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	2231	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as NO3 *	mg/L	0.3	1	Not Detected	≤45	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3- (F)	Bangkok
pH at 25 degree C	-	-	-	8.7	7.0-8.5	6.5-9.2	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	3.6	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 65 D, dated May 21, B.E.2551 (2008).

(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Anukun Watsong

Remark :
- LOD : Limit of Detection
- "<" : lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : value not included in scope of Accreditation (ISO/IEC 17025).
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Page 3 of 12

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Sample Number 2492192-2
Sample Date Sep 03, 2024 1:30 PM
Sample Description Underground Water
Location นอกพื้นที่ขุดเจาะในบริเวณพื้นที่ที่ดำเนินการขุดเจาะและทำการทดสอบเพื่อหาปริมาณ (นอกพื้นที่ 2)
Date Analysis Commenced Sep 05, 2024
Condition of Sample Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Page 4 of 12

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	28.8	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0009	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	19.4	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.07	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 31.25 B, 3030 F	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Page 5 of 12

Sample Number	2492192-2							
Sampled Date	Sep 03, 2024 1:30 PM							
Sample Description	Underground Water							
Location	บ่อน้ำใต้ดินบริเวณใกล้ตัวถังเก็บน้ำฝนจากอาคารควบคุมอุณหภูมิโรงโม่ (unthunua 2)							
Date Analysis Commenced	Sep 05, 2024							
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - pre-evaluation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Mercury	mg/L	0.0001	0.0005	<0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
SAR *	-	0.10	13.3		No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	376	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	0.16	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	2215	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as NO3 *	mg/L	0.3	1	Not Detected	≤45	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	8.6	7.0-8.5	6.5-9.2	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	3.0	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Page 6 of 12

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum Allowable.

Sampling By : Anukun Witsang

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOB (Limit of Reporting)
- Analyte(s) marked * align not included in scope of Accreditation ISO/IEC 17025
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Page 7 of 12

Page 7 of 12

Sample Number	2492192-3							
Sampled Date	Sep 03, 2024 1:45 PM							
Sample Description	Underground Water							
Location	บ่อน้ำใต้ดินบริเวณใกล้ตัวถังเก็บน้ำฝนจากอาคารควบคุมอุณหภูมิโรงโม่ (บ่อหน้า 3)							
Date Analysis Commenced	Sep 05, 2024							
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.002	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	26.9	No Standard	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	0.0009	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	19.5	No Standard	No Standard	In house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.07	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Page 8 of 12

Page 8 of 12

Sample Number	2492192-3							
Sampled Date	Sep 03, 2024 1:45 PM							
Sample Description	Underground Water							
Location	บ่อน้ำใต้ดินบริเวณใกล้ตัวถังเก็บน้ำฝนจากอาคารควบคุมอุณหภูมิโรงโม่ (unthunua 3)							
Date Analysis Commenced	Sep 05, 2024							
Condition of Sample	Contained in two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Mercury	mg/L	0.0001	0.0005	<0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
SAR *	-	0.10		12.2	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	340	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	2156	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as NO3 *	mg/L	0.3	1	Not Detected	≤45	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	8.4	7.0-8.5	6.5-9.2	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	2.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Anukun Wisang

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : value not included in scope of Accreditation (ISO/IEC 17025)
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Results apply to the sample(s) as submitted, unless the sampling was controlled by ALS. No part of the report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced without its full.

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Anukun Wisang

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : value not included in scope of Accreditation (ISO/IEC 17025)
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	26.0	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0007	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	18.6	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.05	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was controlled by ALS. No part of the report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced without its full.

Approved by

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Section Head

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Anukun Wisang

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : value not included in scope of Accreditation (ISO/IEC 17025)
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Mercury	mg/L	0.0001	0.0005	<0.0005	Not Detected	≤0.001	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
SAR *	-	-	0.10	11.3	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Sodium	mg/L	0.03	0.05	309	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Conductivity at 25 degree C *	micromhos/cm	-	0.5	1971	No Standard	No Standard	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Bangkok
Nitrate as NO3 *	mg/L	0.3	1	Not Detected	≤45	≤45	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C	-	-	-	8.6	7.0-8.5	6.5-9.2	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.6	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 Norg (C)	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was controlled by ALS. No part of the report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced without its full.

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 421006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :



TESTING
No.0009
Lot ID: 2492192
Date Received : Sep 04, 2024
Date Reported : Sep 10, 2024
Report Number : 3107076-1

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Anukun Wisang

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * : value not included in scope of Accreditation (ISO/IEC 17025)
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Calcium	mg/L	0.03	0.05	26.0	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Chromium	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.0007	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Magnesium	mg/L	0.03	0.05	18.6	No Standard	No Standard	In-house method : STM 05-014 based on United States Environmental Protection Agency, 1994, EPA Method 200.7	Bangkok
Manganese	mg/L	0.0003	0.0005	0.05	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Results apply to the sample(s) as submitted, unless the sampling was controlled by ALS. No part of the report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced without its full.

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ภาคผนวก ค-15

ผลการตรวจวัดทรัพยากรชีวภาพในน้ำ



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Kaset Phol Sugar Co., Ltd.
Address : 9 Moo 9 Pa Kho, Kumphawapi, Udon Thani, Thailand, 41370
Project Name : Factory License No.10410000125343_EIA Monitoring

รายงานผลการวิเคราะห์แหล่งกอนพืช

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Division Cyanophyta				
Class Cyanophyceae				
Order Chroococcales				
Family Chroococcaceae				
1. <i>Merismopedia</i> sp.	-	9,000	-	-
Order Nostocales				
Family Oscillatoriaceae				
2. <i>Lyngbya</i> sp.	9,000	9,000	-	-
3. <i>Oscillatoria angustissima</i>	27,000	17,000	-	-
4. <i>Oscillatoria</i> sp.	182,000	205,000	211,000	37,000
5. <i>Oscillatoria tenuis</i>	27,000	171,000	-	216,000
6. <i>Spirulina</i> sp.	-	26,000	-	-
Family Nostocaceae				
7. <i>Anabaena affinis</i>	-	9,000	11,000	-
8. <i>Cylindrospermum</i> sp.	9,000	-	-	-

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Division Chlorophyta				
Class Chlorophyceae				
Order Volvocales				
Family Volvocaceae				
9. <i>Eudorina elegans</i>	9,000	9,000	22,000	15,000
10. <i>Pandorina morum</i>	46,000	77,000	11,000	-
Family Spondylomoraceae				
11. <i>Spondylomorum quaternarium</i>	-	-	-	7,000
Order Tetrasporales				
Family Palmellaceae				
12. <i>Sphnerocystis shroeteri</i>	27,000	-	-	-
Order Chlorococcales				
Family Hydrodictyaceae				
13. <i>Pediastrum duplex</i>	-	9,000	11,000	7,000
14. <i>Pediastrum simplex</i>	9,000	-	-	-
Family Coelastraceae				
15. <i>Coelastrum sphaericum</i>	-	-	11,000	-
Family Oocystaceae				
16. <i>Ankistrodesmus salcatus</i>	-	17,000	22,000	-
17. <i>Dictyosphaerium pulchellum</i>	18,000	17,000	-	-
18. <i>Kirchneriella lunaris</i>	-	34,000	-	-
19. <i>Kirchneriella subsolitaria</i>	-	9,000	-	-
20. <i>Oocystis parva</i>	-	9,000	-	-
21. <i>Selenastrum gracile</i>	-	17,000	-	-
22. <i>Tetraedron gracile</i>	9,000	17,000	-	-
23. <i>Tetraedron</i> sp.	36,000	17,000	11,000	-
24. <i>Tetraedron trigonum</i>	-	9,000	-	-

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Family Scenedesmaccae				
25. <i>Crucigenia apiculata</i>	-	128,000	-	-
26. <i>Microcystium pusillum</i>	9,000	-	-	-
27. <i>Scenedesmus quadricauda</i>	-	-	-	7,000
Order Zygomatales				
Family Mesotaeniaceae				
28. <i>Gonatozygon aculeatum</i>	-	9,000	-	-
Family Desmidiaceae				
29. <i>Closterium acerosum</i>	-	-	-	7,000
30. <i>Closterium ehrenbergii</i>	-	17,000	-	-
31. <i>Closterium gracile</i>	-	17,000	-	-
32. <i>Closterium lineatum</i>	18,000	-	-	-
33. <i>Closterium parvirectum</i>	-	9,000	-	-
34. <i>Closterium</i> sp.	9,000	-	-	-
35. <i>Closterium tumidum</i>	-	-	-	7,000
36. <i>Cosmarium obsoletum</i>	-	9,000	-	-
37. <i>Cosmarium rectangularis</i>	-	9,000	-	-
38. <i>Eunrium turgidum</i>	9,000	-	-	-
39. <i>Hyalotheca dissiliens</i>	-	-	-	15,000
40. <i>Staurastrum gracile</i>	-	-	-	7,000
Class Euglenophyceae				
Order Euglenales				
Family Euglenaceae				
41. <i>Euglena acus</i>	410,000	342,000	377,000	238,000
42. <i>Euglena oxyuris</i>	18,000	34,000	-	7,000
43. <i>Euglena</i> sp.	36,000	9,000	11,000	-
44. <i>Euglena splendens</i>	-	-	-	7,000


ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)


ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
45. <i>Euglena viridis</i>	127,000	103,000	67,000	112,000
46. <i>Lepocinclis ovum</i>	255,000	445,000	222,000	119,000
47. <i>Phacus angulatus</i>	127,000	26,000	22,000	7,000
48. <i>Phacus circulatus</i>	9,000	9,000	33,000	-
49. <i>Phacus hamatus</i>	18,000	120,000	11,000	45,000
50. <i>Phacus myersi</i>	-	9,000	11,000	7,000
51. <i>Phacus vanula</i>	36,000	51,000	33,000	45,000
52. <i>Phacus</i> sp.	18,000	17,000	33,000	97,000
53. <i>Phacus stokesii</i>	-	-	-	7,000
54. <i>Phacus tortus</i>	55,000	214,000	322,000	134,000
55. <i>Strombomonas acuminata</i>	237,000	410,000	211,000	209,000
56. <i>Strombomonas australica</i>	82,000	137,000	67,000	15,000
57. <i>Strombomonas fluvialis</i>	9,000	26,000	33,000	15,000
58. <i>Strombomonas gibberosa</i>	146,000	128,000	155,000	7,000
59. <i>Strombomonas girardiana</i>	137,000	128,000	366,000	119,000
60. <i>Strombomonas</i> sp.	46,000	180,000	33,000	-
61. <i>Strombomonas verrucosa</i>	155,000	171,000	189,000	15,000
62. <i>Trachelomonas crebea</i>	874,000	983,000	1,243,000	417,000
63. <i>Trachelomonas daugerdiana</i>	146,000	17,000	33,000	-
64. <i>Trachelomonas hispida</i>	946,000	2,223,000	977,000	656,000
65. <i>Trachelomonas lacustris</i>	-	9,000	22,000	-
66. <i>Trachelomonas mirabilis</i>	9,000	128,000	56,000	7,000
67. <i>Trachelomonas scrubra</i>	36,000	154,000	11,000	-
68. <i>Trachelomonas similis</i>	-	9,000	44,000	15,000
69. <i>Trachelomonas</i> sp.	-	-	-	104,000
70. <i>Trachelomonas superba</i>	18,000	9,000	11,000	-
71. <i>Trachelomonas volzii</i>	-	34,000	33,000	22,000
72. <i>Trachelomonas zingeri</i>	-	26,000	-	7,000

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Division Chromophyta				
Class Bacillariophyceae				
Order Biddulphiales				
Suborder Coscinodiscineae				
Family Thalassiosiraceae				
73. <i>Stephanodiscus hantzschii</i>	9,000	-	-	-
Family Aulacoseiraceae				
74. <i>Aulacoseira granulata</i>	-	9,000	-	15,000
Order Bacillariales				
Suborder Fragilariineae				
Family Fragilariaceae				
75. <i>Fragilaria capucina</i>	546,000	-	-	15,000
76. <i>Synedra rumpens</i>	27,000	9,000	11,000	-
77. <i>Synedra ulna</i>	18,000	34,000	-	-
Suborder Bacillariaceae				
Family Eunotiaceae				
78. <i>Eunotia pectinalis</i>	46,000	94,000	22,000	52,000
Family Naviculaceae				
79. <i>Amphora</i> sp.	-	9,000	11,000	-
80. <i>Diploneis elliptica</i>	9,000	9,000	22,000	22,000
81. <i>Gyrosigma attenuatum</i>	9,000	17,000	22,000	7,000
82. <i>Navicula cuspidata</i>	9,000	-	-	-
83. <i>Navicula lamcelata</i>	-	9,000	11,000	-
84. <i>Pinnularia gibba</i>	9,000	26,000	22,000	7,000
Family Bacillariaceae				
85. <i>Nitzschia lorenziana</i>	9,000	-	-	-
86. <i>Nitzschia reversa</i>	18,000	-	-	-

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวาคอน)
ผู้วิเคราะห์


(นายอรรถกิต อินทราชิต)
หัวหน้าสถานีวิจัยประมงศรีราชา

ตาราง ผลการวิเคราะห์แหล่งกอนพืช (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนพืช	ปริมาณแหล่งกอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
87. <i>Nitzschia</i> sp.	-	9,000	-	-
Family Surirellaceae				
88. <i>Surirella linearis</i>	-	9,000	11,000	-
89. <i>Surirella tenera</i>	-	9,000	-	-
Class Cryosphyceae				
Order Synurales				
Family Mallomonadaceae				
90. <i>Mallomonas litomesa</i>	300,000	248,000	278,000	52,000
Class Dinophyceae				
Order Peridiniales				
Family Peridiniaceae				
91. <i>Peridinium gatunense</i>	18,000	-	11,000	15,000
92. <i>Peridinium</i> sp.	9,000	9,000	22,000	7,000
ชนิดแหล่งกอนพืช	54	69	46	44
ปริมาณแหล่งกอนพืช	5,439,000	7,536,000	5,379,000	2,950,000
ดัชนีความหลากหลายแหล่งกอนพืช	2.9708	2.9168	2.7519	2.8302
ดัชนีความสม่ำเสมอแหล่งกอนพืช	0.7448	0.6889	0.7188	0.7479

Sample Location : 1. สถานี 2479337-1 : ลำห้วยกองสี ก่อนจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
2. สถานี 2479337-2 : ลำห้วยกองสี บริเวณจุดคั่นน้ำของโครงการ
3. สถานี 2479337-3 : ลำห้วยกองสี หลังจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
4. สถานี 2479337-4 : ลำน้ำป่า บริเวณจุดคั่นของลำน้ำก่อนไหลลงสู่หนองหาร



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Kaset Phot Sugar Co., Ltd.
Address : 9 Moo 9 Pa Kho, Kumphawapi, Udon Thani, Thailand, 41370
Project Name : Factory License No.10410000125343_EIA Monitoring

รายงานผลการวิเคราะห์แหล่งกอนสัตว์
ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Phylum Protozoa				
Subphylum Plasmodroma				
Class Sarcodina				
Subclass Rhizopoda				
Order Testacida				
Family Arcellidae				
1. <i>Arcella</i> sp.	182,000	17,000	11,000	-
2. <i>Arcella vulgaris</i>	-	17,000	22,000	-
Family Diffugiidae				
3. <i>Diffugia acuminata</i>	-	9,000	-	-
4. <i>Diffugia lobostoma</i>	-	-	-	7,000
Family Euglyphidae				
5. <i>Euglypha</i> sp.	-	9,000	22,000	-

ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)
(ต่อ)


ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Subphylum Ciliophora				
Class Ciliata				
Subclass Holotricha				
Order Gymnostomatida				
6. <i>Coleps</i> sp.	-	9,000	-	-
Subclass Spirotricha				
Order Tintinnida				
Family Codonellidae				
7. <i>Tintinnidium</i> sp.	9,000	9,000	11,000	7,000
8. <i>Tintinnopsis</i> sp.	46,000	120,000	44,000	75,000
Subclass Peritricha				
Order Peritrichida				
9. <i>Pyxicola</i> sp.	-	-	44,000	-
10. <i>Vorticella</i> sp.	-	9,000	-	-
Phylum Rotifera				
Class Monogononta				
Order Plouma				
Family Brachionidae				
11. <i>Amuraeopsis fissa</i>	9,000	-	-	15,000
Family Lecanidae				
12. <i>Lecane elegans</i>	-	9,000	-	-
13. <i>Lecane furcata</i>	-	9,000	-	-
Family Tricocercidae				
14. <i>Trichocerca capucina</i>	-	-	11,000	-
15. <i>Trichocerca pusilla</i>	-	-	-	7,000
Family Gastropodidae				
16. <i>Ascomorpha</i> sp.	-	17,000	-	-

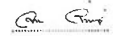
ตาราง ผลการวิเคราะห์แหล่งกอนสัตว์ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)
(ต่อ)

ชนิดแหล่งกอนสัตว์	ปริมาณแหล่งกอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2479337-1	2479337-2	2479337-3	2479337-4
Family Asplanchnidae				
17. <i>Asplanchna priodonta</i>	-	9,000	11,000	-
Family Synchaetidae				
18. <i>Polyarthra vulgaris</i>	46,000	26,000	22,000	-
Order Filiculiaceae				
Family Testudinellidae				
19. <i>Filinia camsacra</i>	-	-	-	7,000
Phylum Arthropoda				
Class Crustacea				
Subclass Copepoda				
20. Copepod nauplius	-	-	11,000	-
ชนิดแหล่งกอนสัตว์	5	13	10	6
ปริมาณแหล่งกอนสัตว์	292,000	269,000	209,000	118,000
ดัชนีความหลากหลายแหล่งกอนสัตว์	1.0914	2.0189	2.1418	1.2205
ดัชนีความสม่ำเสมอแหล่งกอนสัตว์	0.6781	0.7871	0.9302	0.6812

Sample Location : 1. สถานี 2479337-1 : ลำห้วยกองสี ก่อนจุดคั่นน้ำของโครงการประมาณ 1.000 เมตร
2. สถานี 2479337-2 : ลำห้วยกองสี บริเวณจุดคั่นน้ำของโครงการ
3. สถานี 2479337-3 : ลำห้วยกองสี หลังจุดคั่นน้ำของโครงการประมาณ 1.000 เมตร
4. สถานี 2479337-4 : ลำน้ำป่า บริเวณจุดคั่นน้ำก่อนไหลลงสู่หนองหาร

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)


(นางสาวกนกวรรณ ขวาคอน)
ผู้วิเคราะห์


(นายอลงกต อินทราชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต.บางพระ อ.ศรีราชา จ.ชลบุรี 20110
โทร. 038 311379

Client : Kasai Phol Sugar Co., Ltd.
Address : 9 Moo 9 Pa Kho, Kumphawapi, Udon Thani, Thailand, 41370
Project Name : Factory License No. 10410000125343_EIA Monitoring

รายงานผลการวิเคราะห์สัตว์น้ำ
ตารางผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				จำนวน (ตัว)	น้ำหนัก (กรัม)
	2479337-1	2479337-2	2479337-3	2479337-4		
Phylum Chordata						
Class Actinopterygii						
Order Anabantoformes						
Family Osphronemidae						
<i>Trichopodus trichopterus</i> (ปลากัดไทย)	2	-	-	-	8.10-8.50	16.90

ตารางผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567) (ต่อ)


ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				จำนวน (ตัว)	น้ำหนัก (กรัม)
	2479337-1	2479337-2	2479337-3	2479337-4		
Order Cypriniformes						
Family Cyprinidae						
<i>Borbonymus gonionotus</i> (ปลากะเทียนขาว)	-	2	-	1	12.50-13.50	98.60
<i>Cyclocheilichthys apogon</i> (ปลาโด้สันตามะ)	1	1	-	2	8.70-16.50	94.10
<i>Gymnatomus sianensis</i> (ปลากะเทียนขาว)	2	1	-	2	9.10-14.50	93.80
<i>Puntius brevis</i> (ปลากะเทียนขาว)	1	1	-	-	8.00-8.50	17.10
<i>Puntius protosulatus</i> (ปลากะเทียน)	1	4	2	-	4.20-6.60	17.30
Order Gobiiformes						
Family Gobiidae						
<i>Oryzias latipes</i> (ปลาม้าขาว)	1	-	-	-	11.50	66.40
Order Perciformes						
Family Amblocheilidae						
<i>Parachanna obscura</i> (ปลาน้ำเงิน)	1	1	2	3	4.20-5.80	13.40
Order Siluriformes						
Family Bagridae						
<i>Myristicivora</i> (ปลาน้ำเงิน)	2	1	-	-	10.00-12.60	35.40


03131 ผลการวิเคราะห์ดินน้ำ (Aquatic animal) (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กิโลกรัม)
	2479337-1	2479337-2	2479337-3	2479337-4		
Family Pangasidae						
<i>Pangasionodon hypophthalmus</i> (ปลากุเลา)	-	-	-	1	10.30	8.10
ชนิดสัตว์น้ำ	8	7	2	5	4.20-16.50	465.10
ปริมาณสัตว์น้ำ	11	11	4	9		
ค่าปริมาณผลวิเคราะห์ดินน้ำ	2.0198	1.7678	0.6931	1.5230		

Sample Location : 1. สถานี 2479337-1 : ลำน้ำคลองสี ก่อนจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
2. สถานี 2479337-2 : ลำน้ำคลองสี บริเวณจุดคั่นน้ำของโครงการ
3. สถานี 2479337-3 : ลำน้ำคลองสี หลังจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
4. สถานี 2479337-4 : ลำน้ำป่า บริเวณจุดคั่นน้ำก่อนไหลลงสู่หนองหาร

Condition of Sample : fishing gear


(นายทอน จิตกาน)
ผู้วิเคราะห์


(นายทอน จิตกาน)
หัวหน้าสถานีวิจัยประมงที่ราช



สถานีวิจัยประมงที่ราช
101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Kasel Ploi Sugar Co., Ltd.

Address : 9 Moo 9 Pa Kho, Kumhawang, Udon Thani, Thailand, 41370

Project Name : Factory License No. 10410000125343_EIA Monitoring

รายงานผลการวิเคราะห์ดินน้ำ

03131 ผลการวิเคราะห์ดินน้ำ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ			
			2479337-1	2479337-2	2479337-3	2479337-4
พืชดอก						
Cucurbitaceae	<i>Ipomoea aquatica</i>	ผักบุ้ง	+	+	+	+
Pontederaceae	<i>Eichhornia crassipes</i>	ผักตบชวา	+	+	+	+
พืชไม่มีดอก						
Amaranthaceae	<i>Amaranthus spinosus</i>	ผักปื๊ดไทย	+	+	+	+

03131 ผลการวิเคราะห์ดินน้ำ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567) (ต่อ)

วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ			
			2479337-1	2479337-2	2479337-3	2479337-4
Asteraceae	<i>Eclipta prostrata</i>	ตะเพิง	+	+	+	+
	<i>Emilia sonchifolia</i>	หางปลาช่อน	+	+	+	+
	<i>Tridax procumbens</i>	ตีนตุ๊กแก	+	+	+	+
Compositae	<i>Commelina diffusa</i>	ผักปวยเล้ง	+	+	+	+
Cyperaceae	<i>Cyperus iria</i>	กกทราย	+	+	+	+
	<i>Cyperus pilosus</i>	กกคามเหยี่ยว	+	+	+	+
	<i>Cyperus procerus</i>	กกตะลัน	+	+	+	+
	<i>Cyperus pulcherrimus</i>	กกผัก	+	+	+	+
	<i>Fimbristylis dielsiana</i>	หญ้าหนวดกุ้ง	+	+	+	+
Mutaceae	<i>Mimosa pigra</i>	ไม้มะลิ	+	+	+	+
Onagraceae	<i>Jurkela linifolia</i>	เทียนนา	+	+	+	+
Poaceae	<i>Brachiaria mutillia</i>	หญ้า	+++	+++	+	+++
	<i>Brachiaria repens</i>	หญ้า	++	+	+	++
	<i>Echinochloa colonum</i>	หญ้าข้าวเม่า	+	+	+	+
	<i>Leptochloa chinensis</i>	หญ้าดอกขาว	+++	+++	++	+++
	<i>Sorghum halepense</i>	หม	+	+	+	+


03131 ผลการวิเคราะห์ดินน้ำ (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567) (ต่อ)


วงศ์	ชื่อวิทยาศาสตร์	ชื่อภาษาไทย	บริเวณที่ทำการสำรวจ			
			2479337-1	2479337-2	2479337-3	2479337-4
Polygonaceae	<i>Phragmites karka</i>	แขม	+	+	+	+
	<i>Polygonum glabrum</i>	ผักโขม	+	+	+	+
	<i>Polygonum tomentosum</i>	ผักโขม	+	+	+	+
Scabiosa	<i>Scabiosa javanica</i>	โสน	+	+	+	+
Typhaceae	<i>Typha angustifolia</i>	ธูปฤๅษี	+	+	+	+
รวมจำนวนชนิดพืชที่พบทั้งหมด			19	14	13	17

Sample Location :

- ไม่พบ + น้อย ++ ปานกลาง +++ มาก
1. สถานี 2479337-1 : ลำน้ำคลองสี ก่อนจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
2. สถานี 2479337-2 : ลำน้ำคลองสี บริเวณจุดคั่นน้ำของโครงการ
3. สถานี 2479337-3 : ลำน้ำคลองสี หลังจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
4. สถานี 2479337-4 : ลำน้ำป่า บริเวณจุดคั่นน้ำก่อนไหลลงสู่หนองหาร

Condition of Sample : Data sheet


(นายอรรถวุฒิ กัมพะวงศ์)
ผู้วิเคราะห์


(นายอรรถวุฒิ กัมพะวงศ์)
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา
101/12 หมู่ 9 ต. บางพระ
อ. ศรีราชา จ. ชลบุรี 20110
โทร./โทรสาร. (038) 311379

Client : Kaset Phol Sugar Co., Ltd.

Address : 9 Moo 9 Pa Kho, Kumphawapi, Udon Thani, Thailand, 41370

Project Name : Factory License No. 10410000125343_EIA Monitoring

รายงานผลการวิเคราะห์สัตว์หน้าดิน


บทสรุปผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 30 สิงหาคม 2567)

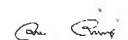
ชื่อย่อสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	2479343-1	2479343-2	2479343-3	2479343-4
Phylum Arthropoda				
Class Insecta				
Order Diptera				
Family Ceratopogonidae				
<i>Culicoides</i> sp. (ริ้นเข็ม)	30	-	-	-
Family Chironomidae				
<i>Chironomus</i> sp. (หนอนน้ำ)	89	30	30	89
Phylum Mollusca				
Class Gastropoda				
Order Architaenioglossa				
Family Bithyniidae				
<i>Bithynia</i> sp. (หอยโข่ง)	-	30	282	-
Family Thiariidae				
<i>Melanoides</i> sp. (หอยเชอรี่)	-	15	-	-

<i>Indoplanorbis</i> sp. (หอยคัน)	-	15	-	-
ชื่อย่อสัตว์หน้าดิน	2	4	2	2
ปริมาณสัตว์หน้าดิน	119	90	312	119
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	0.5646	1.3297	0.3165	0.5646

Sample Location : 1. สถานี 2479343-1 : ลำห้วยทองสี ก่อนจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
2. สถานี 2479343-2 : ลำห้วยทองสี บริเวณจุดคั่นน้ำของโครงการ
3. สถานี 2479343-3 : ลำห้วยทองสี หลังจุดคั่นน้ำของโครงการประมาณ 1,000 เมตร
4. สถานี 2479343-4 : ลำน้ำป่า บริเวณจุดคั่นของลำน้ำก่อนไหลลงสู่หนองหาร

Condition of Sample : contained in one plastic zip bag


(นายอรรถวุฒิ กัมพะวงศ์)
ผู้วิเคราะห์


(นายอรรถวุฒิ กัมพะวงศ์)
หัวหน้าสถานีวิจัยประมงศรีราชา

ภาคผนวก ค-16

ผลการตรวจวัดระดับเสียงในพื้นที่ทำงาน

ฤดูซ่อมบำรุง



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107241
Date Received : Oct 03, 2024
Date Reported : Oct 09, 2024
Report Number: 3133574-1

Page 1 of 1

Sample Number	24107241-1
Parameter	Noise (Leq 8 hrs.)
Location	พื้นที่ภายในโรงงาน
Measurement Date	Oct 02, 2024
Measurement by	Chayanut Boongtong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:40 AM - 09:40 AM	68.4	88.4	61.6
09:40 AM - 10:40 AM	70.7	83.4	63.7
10:40 AM - 11:40 AM	69.9	83.3	60.9
11:40 AM - 12:40 PM	61.1	75.6	59.4
12:40 PM - 01:40 PM	66.9	80.9	59.9
01:40 PM - 02:40 PM	75.1	90.1	63.6
02:40 PM - 03:40 PM	70.6	86.2	63.5
03:40 PM - 04:40 PM	67.0	81.3	61.7
Leq Average 8 hrs. (dB(A))	70.2		
Lmax (dB(A))		90.1	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมการปล่อยเสียง
ในโรงงานอุตสาหกรรมและอาคารประกอบ พ.ศ.๒๕๖๑
Note : 1. LCpeak = 110.7 dB(A)
2. This Analysis test report is reissued to supersede report No.3131957-1, Date Reported : Oct 08, 2024 due to revise analytical information.

Technical Management

Saranya C.
Saranya Chalermlumrongs
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand. PHONE +66 0 2760 3000 FAX +66 0 2760 3197
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S:\Reports_Air Noise rpt (3 42PM)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107241
Date Received : Oct 03, 2024
Date Reported : Oct 09, 2024
Report Number: 3133575-1

Page 1 of 1

Sample Number	24107241-2
Parameter	Noise (Leq 8 hrs.)
Location	พื้นที่ภายในโรงงาน
Measurement Date	Oct 02, 2024
Measurement by	Chayanut Boongtong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:37 AM - 09:37 AM	67.6	91.4	56.2
09:37 AM - 10:37 AM	67.2	81.5	54.4
10:37 AM - 11:37 AM	56.2	77.3	52.3
11:37 AM - 12:37 PM	53.5	70.0	50.0
12:37 PM - 01:37 PM	55.1	79.1	49.7
01:37 PM - 02:37 PM	58.8	75.4	54.7
02:37 PM - 03:37 PM	71.3	96.8	54.5
03:37 PM - 04:37 PM	58.8	84.7	53.5
Leq Average 8 hrs. (dB(A))	65.3		
Lmax (dB(A))		96.8	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมการปล่อยเสียง
ในโรงงานอุตสาหกรรมและอาคารประกอบ พ.ศ.๒๕๖๑
Note : 1. LCpeak = 106.9 dB(A)
2. This Analysis test report is reissued to supersede report No.3131958-1, Date Reported : Oct 08, 2024 due to revise analytical information.

Technical Management

Saranya C.
Saranya Chalermlumrongs
Scientist (4)

Approved by

Supot S.
Supot Salameh
Section Head

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S:\Reports_Air Noise rpt (3 42PM)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107241
Date Received : Oct 03, 2024
Date Reported : Oct 09, 2024
Report Number: 3133576-1

Page 1 of 1

Sample Number	24107241-3
Parameter	Noise (Leq 8 hrs.)
Location	พื้นที่ภายในโรงงาน
Measurement Date	Oct 02, 2024
Measurement by	Chayanut Boongtong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:33 AM - 09:33 AM	73.9	91.1	61.2
09:33 AM - 10:33 AM	74.0	89.4	66.6
10:33 AM - 11:33 AM	73.3	88.9	62.9
11:33 AM - 12:33 PM	63.0	86.8	59.9
12:33 PM - 01:33 PM	65.6	80.6	60.0
01:33 PM - 02:33 PM	73.4	87.3	66.7
02:33 PM - 03:33 PM	71.3	95.0	65.6
03:33 PM - 04:33 PM	72.7	87.5	65.3
Leq Average 8 hrs. (dB(A))	72.1		
Lmax (dB(A))		95.0	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมการปล่อยเสียง
ในโรงงานอุตสาหกรรมและอาคารประกอบ พ.ศ.๒๕๖๑
Note : 1. LCpeak = 109.6 dB(A)
2. This Analysis test report is reissued to supersede report No.3131959-1, Date Reported : Oct 08, 2024 due to revise analytical information.

Technical Management

Saranya C.
Saranya Chalermlumrongs
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Approved by

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S:\Reports_Air Noise rpt (3 42PM)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107241
Date Received : Oct 03, 2024
Date Reported : Oct 09, 2024
Report Number: 3133577-1

Page 1 of 1

Sample Number	24107241-4
Parameter	Noise (Leq 8 hrs.)
Location	พื้นที่ภายในโรงงาน
Measurement Date	Oct 02, 2024
Measurement by	Chayanut Boongtong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:27 AM - 09:27 AM	70.9	96.5	56.7
09:27 AM - 10:27 AM	71.8	88.6	59.2
10:27 AM - 11:27 AM	69.7	91.2	59.2
11:27 AM - 12:27 PM	57.0	75.9	54.2
12:27 PM - 01:27 PM	64.2	78.8	54.3
01:27 PM - 02:27 PM	69.5	89.9	55.9
02:27 PM - 03:27 PM	63.6	87.7	58.2
03:27 PM - 04:27 PM	63.5	77.0	58.5
Leq Average 8 hrs. (dB(A))	68.2		
Lmax (dB(A))		96.5	
Standard (dB(A))	90	140	

Reference Method : Based on ISO1996-1 and 1996-2
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการควบคุมการปล่อยเสียง
ในโรงงานอุตสาหกรรมและอาคารประกอบ พ.ศ.๒๕๖๑
Note : 1. LCpeak = 107.4 dB(A)
2. This Analysis test report is reissued to supersede report No.3131960-1, Date Reported : Oct 08, 2024 due to revise analytical information.

Technical Management

Saranya C.
Saranya Chalermlumrongs
Scientist (4)

Approved by

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Supot Salameh
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S:\Reports_Air Noise rpt (3 42PM)



Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphavapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107241
Date Received : Oct 03, 2024
Date Reported : Oct 09, 2024
Report Number: 3133578-1

Page 1 of 1

Sample Number 24107241-5
Parameter Noise (Leq 8 hrs.)
Location บ้านไร่บ้านไร่ฟาร์มฟาร์มฟาร์มฟาร์ม
Measurement Date Oct 02, 2024
Measurement by Chayarat Boongantong

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:30 AM - 09:30 AM	78.7	86.9	67.3
09:30 AM - 10:30 AM	80.5	89.8	75.6
10:30 AM - 11:30 AM	76.8	86.9	63.1
11:30 AM - 12:30 PM	64.1	73.6	61.8
12:30 PM - 01:30 PM	75.0	85.4	61.7
01:30 PM - 02:30 PM	77.6	87.4	69.5
02:30 PM - 03:30 PM	73.6	85.6	63.6
03:30 PM - 04:30 PM	72.3	80.8	64.1

Leq Average 8 hrs. (dB(A)) 76.6
Lmax (dB(A)) 88.9
Standard (dB(A)) 90 140
Reference Method : Based on ISO1996-1 and 1996-2
Standard : มาตรฐานการวัดผลกระทบด้านเสียงจากโรงงานอุตสาหกรรม
ตามประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรฐานการวัดผลกระทบจากโรงงานอุตสาหกรรม พ.ศ. ๒๕๕๓
Note : 1. Lcpeak = 116.1 dB(A)
2. This Analysis test report is reissued to supersede report No 3131961-1, Date Reported : Oct 08, 2024 due to revise analytical information.

Technical Management

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Approved by

Spt S

Supot Salenteh
Section Head

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ภาคผนวก ค-17

ผลการตรวจวัดระดับเสียงเฉลี่ยตลอดระยะเวลาการทำงาน

ฤดูซ่อมบำรุง



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107238
Date Received : Oct 03, 2024
Date Reported : Oct 04, 2024
Report Number : 3113223-1

Page 1 of 5

Sample Number	24107238-1								
Sampled Date	Oct 02, 2024								
Sample Description	Noise Dose								
Location	บริเวณทางเข้าโรงงาน								
Personal Sampling	ชายนันท์ บุญกั้ง								
Date Analysis Commenced	Oct 04, 2024								

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:25 AM - 04:25 PM	%	-	1	427	No Standard	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok
TWA (8 hrs.)	08:25 AM - 04:25 PM	dB(A)	-	-	91.3	85	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Note : L_{Cpeak} = 139.6 dB(A)

Sampled By : Chayanut Boongantong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107238
Date Received : Oct 03, 2024
Date Reported : Oct 04, 2024
Report Number : 3113223-1

Page 2 of 5

Sample Number	24107238-2								
Sampled Date	Oct 02, 2024								
Sample Description	Noise Dose								
Location	บริเวณทางเข้าโรงงาน								
Personal Sampling	ชายนันท์ บุญกั้ง								
Date Analysis Commenced	Oct 04, 2024								

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:25 AM - 04:25 PM	%	-	1	214	No Standard	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok
TWA (8 hrs.)	08:25 AM - 04:25 PM	dB(A)	-	-	86.3	85	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Note : L_{Cpeak} = 139.5 dB(A)

Sampled By : Chayanut Boongantong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107238
Date Received : Oct 03, 2024
Date Reported : Oct 04, 2024
Report Number : 3113223-1

Page 3 of 5

Sample Number	24107238-3								
Sampled Date	Oct 02, 2024								
Sample Description	Noise Dose								
Location	บริเวณทางเข้าโรงงาน								
Personal Sampling	ชายนันท์ บุญกั้ง								
Date Analysis Commenced	Oct 04, 2024								

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:25 AM - 04:25 PM	%	-	1	44.7	No Standard	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok
TWA (8 hrs.)	08:25 AM - 04:25 PM	dB(A)	-	-	81.5	85	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Note : L_{Cpeak} = 131.3 dB(A)

Sampled By : Chayanut Boongantong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210006632
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 24107238
Date Received : Oct 03, 2024
Date Reported : Oct 04, 2024
Report Number : 3113223-1

Page 4 of 5

Sample Number	24107238-4								
Sampled Date	Oct 02, 2024								
Sample Description	Noise Dose								
Location	บริเวณทางเข้าโรงงาน								
Personal Sampling	ชายนันท์ บุญกั้ง								
Date Analysis Commenced	Oct 04, 2024								

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:25 AM - 04:25 PM	%	-	1	27.5	No Standard	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok
TWA (8 hrs.)	08:25 AM - 04:25 PM	dB(A)	-	-	79.4	85	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok

Guideline :
MOL : 1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Note : L_{Cpeak} = 133.6 dB(A)

Sampled By : Chayanut Boongantong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.

9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210006632

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Lot ID: 24107238

Date Received : Oct 03, 2024

Date Reported : Oct 04, 2024

Report Number : 3112223-1

Page 3 of 5

Sample Number : 24107238-5

Sampled Date : Oct 02, 2024

Sample Description : Noise Dose

Location : บริเวณสายไฟฟ้าใกล้บ้าน

Personal Sampling : งดเว้นการสวมหน้ากาก

Date Analysis Commenced : Oct 04, 2024

Analyte	Sampled Date/Time	Unit	LOD	LOQ (LOB)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Noise Dose (8 hrs.)	08:25 AM - 04:25 PM	%	-	1	1148	No Standard	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok
TWA (8 hrs.)	08:25 AM - 04:25 PM	dB(A)	-	-	95.6	85	MOL, Department Labour Protection and Welfare (B.E. 2561)	MOL	Bangkok

Guideline :

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Notification of Department of Labour Protection and Welfare on the Standard of Time Weighted Average (TWA) Noise Level (B.E. 2561)

Note : L_{Cpeak} = 131.6 dB(A)

Sampled By : Chayanut Boongartong

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by



Wichan Choonhant
Assistant Manager

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ผลการตรวจวัดฝุ่นละอองรวมในพื้นที่ทำงาน

ฤดูหีบอ้อย



Analysis / Test Report

TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149360
Date Received : Feb 03, 2024
Date Reported : Feb 09, 2024
Report Number : 2876843-1

Page 1 of 1

Sample Number 23149360-1
Sampled Date Feb 01, 2024
Sample Description Air Quality
Location ตามปกติทางอากาศบริเวณโรงอบและเก็บ
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 744 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:20 PM - 03:20 PM	mg/m3	-	0.15	0.49	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, Issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	01:20 PM - 03:20 PM	mg/m3	-	0.15	1.35	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, Issue 2, 1994 (Include sampling)	OSHA	Bangkok

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Anukun Wilasang

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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Analysis / Test Report

TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149361
Date Received : Feb 03, 2024
Date Reported : Feb 09, 2024
Report Number : 2876849-1

Page 1 of 3

Sample Number 23149361-1
Sampled Date Feb 02, 2024
Sample Description Air Quality
Location ตามปกติทางอากาศบริเวณโรงอบ
Personal Sampling ฝุ่นละอองที่หายใจได้ (Respirable dust)
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 744 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	0.28	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, Issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	09:00 AM - 11:00 AM	mg/m3	-	0.15	0.70	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, Issue 2, 1994 (Include sampling)	OSHA	Bangkok

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Anukun Wilasang

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Orawan R.

Orawan Rak Yong
Scientist (3)

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14025-23/ EMAIL



Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149361
Date Received : Feb 03, 2024
Date Reported : Feb 09, 2024
Report Number : 2876849-1

Page 2 of 3

Sample Number 23149361-2
Sampled Date Feb 01, 2024
Sample Description Air Quality
Location บริเวณจุดสุ่ม
Personal Sampling หุ่นยนต์วัด (Respirable dust)
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 744 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:40 PM - 03:40 PM	mg/m3	-	0.15	0.24	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	01:40 PM - 03:40 PM	mg/m3	-	0.15	0.83	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, issue 2, 1994 (Include sampling)	OSHA	Bangkok

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Anukun Wilasang

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Orawan R.

Orawan Rakying
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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14025-23/ENAL



Analysis / Test Report



TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149361
Date Received : Feb 03, 2024
Date Reported : Feb 09, 2024
Report Number : 2876849-1

Page 3 of 3

Sample Number 23149361-3
Sampled Date Feb 02, 2024
Sample Description Air Quality
Location บริเวณจุดสุ่มและเครื่องปั่นรวม
Date Analysis Commenced Feb 05, 2024
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 744 mmHg
Atmospheric Temperature 33.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	08:30 AM - 10:30 AM	mg/m3	-	0.15	0.21	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	08:30 AM - 10:30 AM	mg/m3	-	0.15	0.57	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, issue 2, 1994 (Include sampling)	OSHA	Bangkok

Guideline :
OSHA : Occupational Safety and Health Administration
Sampled By : Anukun Wilasang

Remark :
- LOD : Limit of Detection
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Approved by

Orawan R.

Orawan Rakying
Scientist (3)

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ฤดูละลายน้ำตาล



Analysis / Test Report

TESTING
No.0009

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O : 4210005772
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454510

Date Received : Jun 01, 2024
Date Reported : Jun 08, 2024
Report Number : 2992113-1

Page 1 of 1

Sample Number 2454510-1
Sampled Date May 30, 2024
Sample Description Air Quality
Location ลานกองภาคตะกอนหม้อกรองและเตา
Date Analysis Commenced Jun 04, 2024
Condition of Sample Drawn into two filter papers placed in each cassette
Barometric Pressure 736 mmHg
Atmospheric Temperature 38.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Respirable Dust	01:00 PM - 03:00 PM	mg/m3	-	0.15	0.29	5	In - house method : STM 04-050 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0600, issue 3, 1998 (Include sampling)	OSHA	Bangkok
Total dust	01:00 PM - 03:00 PM	mg/m3	-	0.15	0.45	15	In - house method : STM 04-049 based on NIOSH Manual of Analytical Methods, 4th ed., NMAM, method 0500, issue 2, 1994 (Include sampling)	OSHA	Bangkok

Guideline :

OSHA : Occupational Safety and Health Administration

Sampled By : Anukun Wilasang

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Saranya C.

Saranya Chalerthamrong
Scientist (4)

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ภาคผนวก ค-19

ผลการตรวจวัดความร้อนในที่ทำงาน

ฤดูหีบอ้อย



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.

9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Lot ID: 23149362

Date Received : Jan 27, 2024

Date Reported : Jan 30, 2024

Report Number: 2876855-1

Page 1 of 2

Sample Number 23149362-1

Parameter Heat Stress (Sampling Time : 01.00 PM - 03.00 PM)

Measurement Date Jan 26, 2024

Measurement by Sattawat Kaewkanha

Location ปลูกฝังงาน 1 พื้นที่ (ข้อ-นามสกุล ปลูกฝังงาน : - นาม : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณอาคารหมัก	120	24.0	22.3	27.9	27.6
Average (WBGT)		24.0			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.

9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Lot ID: 23149362

Date Received : Jan 27, 2024

Date Reported : Jan 30, 2024

Report Number: 2876855-1

Page 2 of 2

Sample Number 23149362-2

Parameter Heat Stress (Sampling Time : 01.00 PM - 03.00 PM)

Measurement Date Jan 26, 2024

Measurement by Sattawat Kaewkanha

Location ปลูกฝังงาน 1 พื้นที่ (ข้อ-นามสกุล ปลูกฝังงาน : - นาม : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณอาคารหมัก	120	25.6	22.5	32.9	32.6
Average (WBGT)		25.6			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management

Supot Salamteh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149363
Date Received : Jan 27, 2024
Date Reported : Jan 30, 2024
Report Number: 2876858-1

Page 1 of 1

Sample Number 23149363-1
Parameter Heat Stress (Sampling Time : 01.00 PM - 03.00 PM)
Measurement Date Jan 26, 2024
Measurement by Saltawat Kaewkanha
Location ปฏิบัติงาน 1 พื้นที่ (ข้อ-นามสกุล ปฏิบัติงาน : - แยก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณอาคารหล่อปูนและหม้อต้ม	120	25.4	22.3	32.6	32.0
Average (WBGT)		25.4			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

- Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
- Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Saramteh
Section Head

Approved by


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Assistant Manager

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ฤดูละลายน้ำตาล



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.

9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370

P/O : 4210005772

Project Name : Factory License No.10410000125343_EIA Monitoring

Project Location :

Lot ID: 2454511

Date Received : Jun 01, 2024

Date Reported : Jun 04, 2024

Report Number: 2992116-1

Page 1 of 1

Sample Number 2454511-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date May 30, 2024
Measurement by Chayanut Boongantong
Location ปฎิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)


Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณอาคารหม้อเคี่ยวและหม้อปั่น	120	29.1	27.6	32.6	32.6
Average (WBGT)		29.1			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions In relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environment in relation to Heat, Light and Noise, B.E.2559

Technical Management


Supot Salamteh
Section Head

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ภาคผนวก ค-20

ผลการตรวจวัดความเข้มของแสงสว่างในบริเวณการทำงาน

ฤดูหีบอ้อย



Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (1)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (1)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Spot/Min	Average	Comment
1	Spot : อาคารโรงงาน : 1st Floor : ห้อง ควบคุม : ควบคุมอาคาร	23149364 (1)-1	22-Jan-24	Day time	1	720	400-500	+	Pass	
		23149364 (1)-2	22-Jan-24	Night time	1	722	400-500	+	Pass	
2	Spot : อาคารโรงงาน : 1st Floor : ห้อง QC : ควบคุม	23149364 (1)-3	22-Jan-24	Day time	1	1,567	400-500	+	Pass	
		23149364 (1)-4	22-Jan-24	Day time	2	1,532	300	+	Pass	
		23149364 (1)-5	22-Jan-24	Day time	3	1,547	200	+	Pass	
		23149364 (1)-6	22-Jan-24	Night time	1	1,462	400-500	+	Pass	
		23149364 (1)-7	22-Jan-24	Night time	2	1,493	300	+	Pass	
		23149364 (1)-8	22-Jan-24	Night time	3	1,423	200	+	Pass	
3	Spot : อาคารโรงงาน : 1st Floor : ห้อง ควบคุมอาคาร : ห้อง Hood	23149364 (1)-9	22-Jan-24	Day time	1	890	400-500	+	Pass	
		23149364 (1)-10	22-Jan-24	Night time	1	1,140	400-500	+	Pass	
		23149364 (1)-11	22-Jan-24	Night time	2	1,194	300	+	Pass	
		23149364 (1)-12	22-Jan-24	Night time	3	1,455	200	+	Pass	
4	Spot : อาคารโรงงาน : 1st Floor : ห้อง ควบคุมอาคาร (ส่วน QA) : ควบคุม	23149364 (1)-13	22-Jan-24	Day time	1	978	400-500	+	Pass	
		23149364 (1)-14	22-Jan-24	Night time	1	947	400-500	+	Pass	
5	Spot : อาคารโรงงาน : 1st Floor : ห้อง QC : ห้อง POL Analysis : ควบคุม	23149364 (1)-15	22-Jan-24	Day time	1	729	400-500	+	Pass	
		23149364 (1)-16	22-Jan-24	Night time	1	718	400-500	+	Pass	
6	Spot : อาคารโรงงาน : 1st Floor : ห้อง ควบคุมอาคาร (QA) : ควบคุม	23149364 (1)-17	22-Jan-24	Day time	1	775	400-500	+	Pass	
		23149364 (1)-18	22-Jan-24	Night time	1	796	400-500	+	Pass	
7	Spot : อาคารโรงงาน : 1st Floor : ห้อง ควบคุมอาคาร : ควบคุมอาคาร	23149364 (1)-19	22-Jan-24	Day time	1	810	400-500	+	Pass	
		23149364 (1)-20	22-Jan-24	Night time	1	758	400-500	+	Pass	
8	Spot : อาคารโรงงาน : 1st Floor : ห้อง Safety : ควบคุมอาคาร	23149364 (1)-21	22-Jan-24	Day time	1	831	400-500	+	Pass	
		23149364 (1)-22	22-Jan-24	Night time	1	564	400-500	+	Pass	

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat Kaewkanha
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (2)
Date Received : Jan 26, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (2)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Spot/Min	Average	Comment
1	Area : อาคารโรงงาน : 2nd Floor : Meeting Room 1	23149364 (2)-1	24-Jan-24	Day time	1	561	400	150	100	Pass
		23149364 (2)-2	24-Jan-24	Day time	2	622				
		23149364 (2)-3	24-Jan-24	Day time	3	523				
		23149364 (2)-4	24-Jan-24	Day time	4	573				
		23149364 (2)-5	24-Jan-24	Day time	5	539				
		23149364 (2)-6	24-Jan-24	Day time	6	603				
		23149364 (2)-7	24-Jan-24	Day time	7	714				
		23149364 (2)-8	24-Jan-24	Day time	8	694				
		23149364 (2)-9	24-Jan-24	Day time	9	725				
		23149364 (2)-10	24-Jan-24	Day time	10	684				
		23149364 (2)-11	24-Jan-24	Day time	11	765				
		23149364 (2)-12	24-Jan-24	Day time	12	690				
		23149364 (2)-13	24-Jan-24	Day time	13	681				
		23149364 (2)-14	24-Jan-24	Day time	14	738				
		23149364 (2)-15	24-Jan-24	Day time	15	756				
2	Spot : อาคารโรงงาน : 2nd Floor : Factory Room : ควบคุมอาคาร	23149364 (2)-16	24-Jan-24	Day time	1	452	400-500	+	Pass	
		23149364 (2)-17	24-Jan-24	Day time	1	488	400-500	+	Pass	
6	Spot : อาคารโรงงาน : 2nd Floor : Factory Room : ควบคุมอาคาร	23149364 (2)-18	22-Jan-24	Day time	1	487	400-500	+	Pass	
		23149364 (2)-19	22-Jan-24	Day time	1	487	400-500	+	Pass	
7	Spot : อาคารโรงงาน : 2nd Floor : Factory Room : ควบคุมอาคาร	23149364 (2)-20	22-Jan-24	Day time	1	487	400-500	+	Pass	
		23149364 (2)-21	22-Jan-24	Day time	1	487	400-500	+	Pass	
8	Spot : อาคารโรงงาน : 2nd Floor : Factory Room : ควบคุมอาคาร	23149364 (2)-22	22-Jan-24	Day time	1	620	400-500	+	Pass	
		23149364 (2)-23	24-Jan-24	Day time	18	741				

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat Kaewkanha
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (3)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (3)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Spot/Min	Average	Comment
1	Spot : อาคารโรงงาน : 1st Floor : ส่วน HR : ควบคุมอาคาร	23149364 (3)-1	22-Jan-24	Day time	1	550	400-500	+	Pass	
		23149364 (3)-2	22-Jan-24	Day time	1	546	400-500	+	Pass	
2	Spot : อาคารโรงงาน : 1st Floor : ส่วน HR : ควบคุมอาคาร	23149364 (3)-3	22-Jan-24	Day time	1	642	400-500	+	Pass	
		23149364 (3)-4	22-Jan-24	Day time	1	711	400-500	+	Pass	
3	Spot : อาคารโรงงาน : 1st Floor : ส่วน Admin : ควบคุมอาคาร	23149364 (3)-5	22-Jan-24	Day time	1	467	400-500	+	Pass	
		23149364 (3)-6	22-Jan-24	Day time	1	419	400-500	+	Pass	
4	Spot : อาคารโรงงาน : 1st Floor : ส่วน Admin : ควบคุมอาคาร	23149364 (3)-7	22-Jan-24	Day time	1	677	400-500	+	Pass	
		23149364 (3)-8	22-Jan-24	Day time	1	677	400-500	+	Pass	

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat Kaewkanha
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (4)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (4)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Spot/Min	Average	Comment
1	Spot : อาคารโรงงาน : 2nd Floor : ส่วน IT : ควบคุมอาคาร	23149364 (4)-1	22-Jan-24	Day time	1	539	400-500	+	Pass	
		23149364 (4)-2	22-Jan-24	Night time	1	549	400-500	+	Pass	
2	Spot : อาคารโรงงาน : 2nd Floor : ส่วน IT : ควบคุมอาคาร	23149364 (4)-3	22-Jan-24	Day time	1	854	400-500	+	Pass	
		23149364 (4)-4	22-Jan-24	Night time	1	810	400-500	+	Pass	
3	Spot : อาคารโรงงาน : 2nd Floor : ส่วน QC : ควบคุมอาคาร	23149364 (4)-5	22-Jan-24	Day time	1	463	400-500	+	Pass	
		23149364 (4)-6	22-Jan-24	Day time	1	655	400-500	+	Pass	

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat Kaewkanha
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Section Head

Approved by

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Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (5)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (5)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Comment	
						Spot Average	Spot/Min Average		
2	Spot : on-site Warehouse : 1st Floor : Office : 161vhuu 2	23149364 (5)-1	23-Jan-24	Day Time	1	416	- 400-500	Pass	
3	Spot : on-site Warehouse : 1st Floor : Office : 161vhuu 2	23149364 (5)-2	23-Jan-24	Day Time	1	453	- 400-500	Pass	

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat
Sattawat Kaewkanha
Section Head

Approved by

Wichan
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (5)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (5)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Comment	
						Spot Average	Spot/Min Average		
1	Spot : on-site Warehouse : 1st Floor : Office : 161vhuu 2	23149364 (5)-1	23-Jan-24	Day Time	1	448	- 400-500	Pass	
		23149364 (5)-2	23-Jan-24	Night Time	1	335	- 400-500	Fail	
2	Spot : on-site Warehouse : 1st Floor : Office : 161vhuu 2	23149364 (5)-3	23-Jan-24	Day Time	1	427	- 400-500	Pass	
		23149364 (5)-4	23-Jan-24	Night Time	1	318	- 400-500	Fail	

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat
Sattawat Kaewkanha
Section Head

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (7)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (7)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Comment	
						Spot Average	Spot/Min Average		
1	Area : M13 : 3rd Floor : Control Room #1	23149364 (7)-1	23-Jan-24	Day Time	1	492	476 100 200	Pass	
		23149364 (7)-2	23-Jan-24	Day Time	2	524			
		23149364 (7)-3	23-Jan-24	Day Time	3	519			
		23149364 (7)-4	23-Jan-24	Day Time	4	465			
		23149364 (7)-5	23-Jan-24	Day Time	5	413			
		23149364 (7)-6	23-Jan-24	Day Time	6	447			
		23149364 (7)-7	23-Jan-24	Night Time	1	494	457 100 200	Pass	
		23149364 (7)-8	23-Jan-24	Night Time	2	465			
		23149364 (7)-9	23-Jan-24	Night Time	3	512			
		23149364 (7)-10	23-Jan-24	Night Time	4	494			
		23149364 (7)-11	23-Jan-24	Night Time	5	363			
		23149364 (7)-12	23-Jan-24	Night Time	6	395			

Technical Management

Sattawat
Sattawat Kaewkanha
Section Head

Approved by

Wichan
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 23149364 (7)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (7)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Guideline Limit	Comment	
						Spot Average	Spot/Min Average		
2	Area : M13 : 3rd Floor : Control Room #2	23149364 (7)-13	23-Jan-24	Day Time	1	353	437 100 200	Pass	
		23149364 (7)-14	23-Jan-24	Day Time	2	544			
		23149364 (7)-15	23-Jan-24	Day Time	3	475			
		23149364 (7)-16	23-Jan-24	Day Time	4	340			
		23149364 (7)-17	23-Jan-24	Day Time	5	569			
		23149364 (7)-18	23-Jan-24	Day Time	6	410			
		23149364 (7)-19	23-Jan-24	Day Time	7	297			
		23149364 (7)-20	23-Jan-24	Day Time	8	410			
		23149364 (7)-21	23-Jan-24	Day Time	9	443			
		23149364 (7)-22	23-Jan-24	Day Time	10	169			
		23149364 (7)-23	23-Jan-24	Day Time	11	451			
		23149364 (7)-24	23-Jan-24	Day Time	12	341			
		23149364 (7)-25	23-Jan-24	Day Time	13	317			
		23149364 (7)-26	23-Jan-24	Day Time	14	356			
		23149364 (7)-27	23-Jan-24	Day Time	15	372			
		23149364 (7)-28	23-Jan-24	Day Time	16	497			
		23149364 (7)-29	23-Jan-24	Day Time	17	491			
		23149364 (7)-30	23-Jan-24	Day Time	18	513			
		23149364 (7)-31	23-Jan-24	Night Time	1	404	411 100 200	Pass	
		23149364 (7)-32	23-Jan-24	Night Time	2	493			
		23149364 (7)-33	23-Jan-24	Night Time	3	438			
		23149364 (7)-34	23-Jan-24	Night Time	4	394			
		23149364 (7)-35	23-Jan-24	Night Time	5	528			
		23149364 (7)-36	23-Jan-24	Night Time	6	421			
		23149364 (7)-37	23-Jan-24	Night Time	7	291			
		23149364 (7)-38	23-Jan-24	Night Time	8	407			
		23149364 (7)-39	23-Jan-24	Night Time	9	426			
		23149364 (7)-40	23-Jan-24	Night Time	10	347			
		23149364 (7)-41	23-Jan-24	Night Time	11	438			
		23149364 (7)-42	23-Jan-24	Night Time	12	371			
		23149364 (7)-43	23-Jan-24	Night Time	13	223			
		23149364 (7)-44	23-Jan-24	Night Time	14	350			
		23149364 (7)-45	23-Jan-24	Night Time	15	405			
		23149364 (7)-46	23-Jan-24	Night Time	16	408			
		23149364 (7)-47	23-Jan-24	Night Time	17	363			
		23149364 (7)-48	23-Jan-24	Night Time	18	374			

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Sattawat
Sattawat Kaewkanha
Section Head

Approved by

Wichan
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149364 (8)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (8)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Comment
1	Area : Evaporator House : 3rd Floor : Evap DCS Control Room	23149364 (8)-1	23-Jan-24	Day time	1	370	314	150	Pass
		23149364 (8)-2	23-Jan-24	Day time	2	292			
		23149364 (8)-3	23-Jan-24	Day time	3	245			
		23149364 (8)-4	23-Jan-24	Day time	4	384			
		23149364 (8)-5	23-Jan-24	Day time	5	374			
		23149364 (8)-6	23-Jan-24	Day time	6	289			
		23149364 (8)-7	23-Jan-24	Day time	7	432			
		23149364 (8)-8	23-Jan-24	Day time	8	375			
		23149364 (8)-9	23-Jan-24	Day time	9	280			
		23149364 (8)-10	23-Jan-24	Day time	10	322			
		23149364 (8)-11	23-Jan-24	Day time	11	226			
		23149364 (8)-12	23-Jan-24	Day time	12	256			
		23149364 (8)-13	23-Jan-24	Day time	13	311			
		23149364 (8)-14	23-Jan-24	Day time	14	226			
		23149364 (8)-15	23-Jan-24	Day time	15	265			
		23149364 (8)-16	23-Jan-24	Day time	16	272			
		23149364 (8)-17	23-Jan-24	Night time	1	248	359	150	Pass
		23149364 (8)-18	23-Jan-24	Night time	2	280			
		23149364 (8)-19	23-Jan-24	Night time	3	228			
		23149364 (8)-20	23-Jan-24	Night time	4	310			
		23149364 (8)-21	23-Jan-24	Night time	5	413			
		23149364 (8)-22	23-Jan-24	Night time	6	321			
		23149364 (8)-23	23-Jan-24	Night time	7	480			
		23149364 (8)-24	23-Jan-24	Night time	8	465			
		23149364 (8)-25	23-Jan-24	Night time	9	414			
		23149364 (8)-26	23-Jan-24	Night time	10	420			
		23149364 (8)-27	23-Jan-24	Night time	11	253			
		23149364 (8)-28	23-Jan-24	Night time	12	415			
		23149364 (8)-29	23-Jan-24	Night time	13	299			
		23149364 (8)-30	23-Jan-24	Night time	14	290			
		23149364 (8)-31	23-Jan-24	Night time	15	481			
		23149364 (8)-32	23-Jan-24	Night time	16	413			

Technical Management

Spt S
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149364 (8)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (8)-1

Page 2 of 2

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Comment
2	Area : Evaporator House : 3rd Floor : Evap HCC Room	23149364 (8)-33	23-Jan-24	Day time	1	379	322	150	Pass
		23149364 (8)-34	23-Jan-24	Day time	2	421			
		23149364 (8)-35	23-Jan-24	Day time	3	398			
		23149364 (8)-36	23-Jan-24	Day time	4	391			
		23149364 (8)-37	23-Jan-24	Day time	5	151			
		23149364 (8)-38	23-Jan-24	Day time	6	157			
		23149364 (8)-39	23-Jan-24	Day time	7	278			
		23149364 (8)-40	23-Jan-24	Day time	8	250			
		23149364 (8)-41	23-Jan-24	Day time	9	435			
		23149364 (8)-42	23-Jan-24	Day time	10	359			
		23149364 (8)-43	23-Jan-24	Day time	11	310			
		23149364 (8)-44	23-Jan-24	Day time	12	340			
		23149364 (8)-45	23-Jan-24	Night time	1	318	288	100	Pass
		23149364 (8)-46	23-Jan-24	Night time	2	299			
		23149364 (8)-47	23-Jan-24	Night time	3	430			
		23149364 (8)-48	23-Jan-24	Night time	4	242			
		23149364 (8)-49	23-Jan-24	Night time	5	187			
		23149364 (8)-50	23-Jan-24	Night time	6	157			
		23149364 (8)-51	23-Jan-24	Night time	7	161			
		23149364 (8)-52	23-Jan-24	Night time	8	203			
		23149364 (8)-53	23-Jan-24	Night time	9	387			
		23149364 (8)-54	23-Jan-24	Night time	10	315			
		23149364 (8)-55	23-Jan-24	Night time	11	334			
		23149364 (8)-56	23-Jan-24	Night time	12	331			

Measurement by : Sittawat Kanyakanya

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 350 dated February 21 B.E.2561 (2018)

Technical Management

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Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
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P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149364 (9)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (9)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.									
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Comment
1	Area : Boiling House : 4th Floor : Control Room (DCS)	23149364 (9)-1	23-Jan-24	Day time	1	358	440	150	Pass
		23149364 (9)-2	23-Jan-24	Day time	2	431			
		23149364 (9)-3	23-Jan-24	Day time	3	470			
		23149364 (9)-4	23-Jan-24	Day time	4	489			
		23149364 (9)-5	23-Jan-24	Day time	5	431			
		23149364 (9)-6	23-Jan-24	Day time	6	432			
		23149364 (9)-7	23-Jan-24	Day time	7	494			
		23149364 (9)-8	23-Jan-24	Day time	8	468			
		23149364 (9)-9	23-Jan-24	Day time	9	451			
		23149364 (9)-10	23-Jan-24	Day time	10	373			
		23149364 (9)-11	23-Jan-24	Night time	1	352	392	150	Pass
		23149364 (9)-12	23-Jan-24	Night time	2	410			
		23149364 (9)-13	23-Jan-24	Night time	3	408			
		23149364 (9)-14	23-Jan-24	Night time	4	391			
		23149364 (9)-15	23-Jan-24	Night time	5	348			
		23149364 (9)-16	23-Jan-24	Night time	6	377			
		23149364 (9)-17	23-Jan-24	Night time	7	443			
		23149364 (9)-18	23-Jan-24	Night time	8	427			
		23149364 (9)-19	23-Jan-24	Night time	9	395			
		23149364 (9)-20	23-Jan-24	Night time	10	371			
2	Area : Boiling House : 4th Floor : Control Room (HOB)	23149364 (9)-21	23-Jan-24	Day time	1	524	439	100	Pass
		23149364 (9)-22	23-Jan-24	Day time	2	597			
		23149364 (9)-23	23-Jan-24	Day time	3	594			
		23149364 (9)-24	23-Jan-24	Day time	4	461			
		23149364 (9)-25	23-Jan-24	Day time	5	377			
		23149364 (9)-26	23-Jan-24	Day time	6	384			
		23149364 (9)-27	23-Jan-24	Day time	7	394			
		23149364 (9)-28	23-Jan-24	Day time	8	282			
		23149364 (9)-29	23-Jan-24	Night time	1	410	394	100	Pass
		23149364 (9)-30	23-Jan-24	Night time	2	521			
		23149364 (9)-31	23-Jan-24	Night time	3	505			
		23149364 (9)-32	23-Jan-24	Night time	4	411			
		23149364 (9)-33	23-Jan-24	Night time	5	362			
		23149364 (9)-34	23-Jan-24	Night time	6	393			
		23149364 (9)-35	23-Jan-24	Night time	7	318			
		23149364 (9)-36	23-Jan-24	Night time	8	235			

Measurement by : Sittawat Kanyakanya

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 350 dated February 21 B.E.2561 (2018)

Technical Management

Spt S
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasat Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 23149364 (10)
Date Received : Jan 25, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (10)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Boiling Refinery : 5th Floor : Control Room	23149364 (10)-1	24-Jan-24	Day time	1	260	279	150	300	Fail
		23149364 (10)-2	24-Jan-24	Day time	2	270				
		23149364 (10)-3	24-Jan-24	Day time	3	364				
		23149364 (10)-4	24-Jan-24	Day time	4	310				
		23149364 (10)-5	24-Jan-24	Day time	5	289				
		23149364 (10)-6	24-Jan-24	Day time	6	348				
		23149364 (10)-7	24-Jan-24	Day time	7	328				
		23149364 (10)-8	24-Jan-24	Day time	8	280				
		23149364 (10)-9	24-Jan-24	Day time	9	204				
		23149364 (10)-10	24-Jan-24	Day time	10	349				
		23149364 (10)-11	24-Jan-24	Day time	11	183				
		23149364 (10)-12	24-Jan-24	Day time	12	199				
		23149364 (10)-13	24-Jan-24	Day time	13	247				
		23149364 (10)-14	24-Jan-24	Day time	14	249				
		23149364 (10)-15	24-Jan-24	Day time	15	290				
		23149364 (10)-16	24-Jan-24	Day time	16	362				
		23149364 (10)-17	24-Jan-24	Day time	17	197				
		23149364 (10)-18	24-Jan-24	Day time	18	394				
		23149364 (10)-19	24-Jan-24	Night time	1	215	266	150	300	Fail
		23149364 (10)-20	24-Jan-24	Night time	2	252				
		23149364 (10)-21	24-Jan-24	Night time	3	353				
		23149364 (10)-22	24-Jan-24	Night time	4	321				
		23149364 (10)-23	24-Jan-24	Night time	5	270				
		23149364 (10)-24	24-Jan-24	Night time	6	315				
		23149364 (10)-25	24-Jan-24	Night time	7	208				
		23149364 (10)-26	24-Jan-24	Night time	8	298				
		23149364 (10)-27	24-Jan-24	Night time	9	267				
		23149364 (10)-28	24-Jan-24	Night time	10	336				
23149364 (10)-29	24-Jan-24	Night time	11	160						
23149364 (10)-30	24-Jan-24	Night time	12	190						
23149364 (10)-31	24-Jan-24	Night time	13	210						
23149364 (10)-32	24-Jan-24	Night time	14	257						
23149364 (10)-33	24-Jan-24	Night time	15	287						
23149364 (10)-34	24-Jan-24	Night time	16	152						
23149364 (10)-35	24-Jan-24	Night time	17	190						
23149364 (10)-36	24-Jan-24	Night time	18	366						



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125743_EIA Monitoring
Project Location:

Lot ID: 23149364 (10)
Date Received : Jan 26, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (10)-1

Page 3 of 2

Kasol Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Average	Comment
2	Area : onny Refinery : 5th Floor : MDS Room	23149364 (10)-37	24-Jan-24	Day time	1	485	285	100	200	Fail
		23149364 (10)-38	24-Jan-24	Day time	2	172				
		23149364 (10)-39	24-Jan-24	Day time	3	316				
		23149364 (10)-40	24-Jan-24	Day time	4	212				
		23149364 (10)-41	24-Jan-24	Day time	5	499				
		23149364 (10)-42	24-Jan-24	Day time	6	168				
		23149364 (10)-43	24-Jan-24	Day time	7	173				
		23149364 (10)-44	24-Jan-24	Day time	8	497				
		23149364 (10)-45	24-Jan-24	Day time	9	262				
		23149364 (10)-46	24-Jan-24	Day time	10	260				
		23149364 (10)-47	24-Jan-24	Day time	11	84				
		23149364 (10)-48	24-Jan-24	Day time	12	129				
		23149364 (10)-49	24-Jan-24	Day time	13	467				
		23149364 (10)-50	24-Jan-24	Day time	14	277				
		23149364 (10)-51	24-Jan-24	Day time	15	524				
		23149364 (10)-52	24-Jan-24	Day time	16	242				
		23149364 (10)-53	24-Jan-24	Day time	17	254				
		23149364 (10)-54	24-Jan-24	Day time	18	107				
		23149364 (10)-55	24-Jan-24	Night time	1	379	276	100	200	Fail
		23149364 (10)-56	24-Jan-24	Night time	2	198				
		23149364 (10)-57	24-Jan-24	Night time	3	247				
		23149364 (10)-58	24-Jan-24	Night time	4	173				
		23149364 (10)-59	24-Jan-24	Night time	5	418				
		23149364 (10)-60	24-Jan-24	Night time	6	189				
		23149364 (10)-61	24-Jan-24	Night time	7	150				
		23149364 (10)-62	24-Jan-24	Night time	8	415				
		23149364 (10)-63	24-Jan-24	Night time	9	452				
		23149364 (10)-64	24-Jan-24	Night time	10	218				
		23149364 (10)-65	24-Jan-24	Night time	11	94				
		23149364 (10)-66	24-Jan-24	Night time	12	121				
		23149364 (10)-67	24-Jan-24	Night time	13	425				
		23149364 (10)-68	24-Jan-24	Night time	14	270				
		23149364 (10)-69	24-Jan-24	Night time	15	513				
		23149364 (10)-70	24-Jan-24	Night time	16	264				
		23149364 (10)-71	24-Jan-24	Night time	17	295				
		23149364 (10)-72	24-Jan-24	Night time	18	150				

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 310 dated February 21 B.E.2561 (2018)

Technical Management

Supot S
Supot Salameh
Section Head

Approved by

Wichan Chonharat
Wichan Chonharat
Assistant Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125743_EIA Monitoring
Project Location:

Lot ID: 23149364 (11)
Date Received : Jan 24, 2024
Date Reported : Jan 30, 2024
Report Number: 23149364 (11)-1

Page 1 of 1

Kasol Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Average	Comment
4	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-1	22-Jan-24	Day time	1	407	-	400-500	-	Pass
5	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-2	22-Jan-24	Day time	1	265	-	400-500	-	Fail
6	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-3	22-Jan-24	Day time	1	307	-	400-500	-	Fail
7	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-4	22-Jan-24	Day time	1	404	-	400-500	-	Pass
8	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-5	22-Jan-24	Day time	1	432	-	400-500	-	Pass
9	Spot : อาคารโรง : 1st Floor : โรงสี	23149364 (11)-6	22-Jan-24	Day time	1	401	-	400-500	-	Pass

Measurement by : Sattawat Kaewkanha

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 310 dated February 21 B.E.2561 (2018)

Technical Management

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Supot Salameh
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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454516 (5)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (5)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Spot	Average	Spot/Min	Guideline Limit
2	Spot : อาคาร Warehouse : 1st Floor : Office : 1st Floor : 2	2454516 (5)-1	30-May-2024	Day time	1	467	-	-	400-500	-
3	Spot : อาคาร Warehouse : 1st Floor : Office : 1st Floor : 2	2454516 (5)-2	30-May-2024	Day time	1	492	-	-	400-500	-

Measurement by : Chayanut Boongtong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

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P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454516 (6)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (6)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Spot	Average	Spot/Min	Guideline Limit
1	Spot : อาคาร Warehouse : 1st Floor : Office : 1st Floor : 2	2454516 (6)-1	30-May-2024	Day time	1	459	-	-	400-500	-
2	Spot : อาคาร Warehouse : 1st Floor : Office : 1st Floor : 2	2454516 (6)-2	30-May-2024	Night time	1	462	-	-	400-500	-

Measurement by : Chayanut Boongtong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454516 (7)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (7)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Spot	Average	Spot/Min	Guideline Limit
1	Area : MB 3 : 3rd Floor : Control Room #1	2454516 (7)-1	30-May-2024	Day time	1	567	543	100	200	Pass
		2454516 (7)-2	30-May-2024	Day time	2	532				
		2454516 (7)-3	30-May-2024	Day time	3	519				
		2454516 (7)-4	30-May-2024	Day time	4	541				
		2454516 (7)-5	30-May-2024	Day time	5	575				
		2454516 (7)-6	30-May-2024	Day time	6	523				
		2454516 (7)-7	30-May-2024	Night time	1	502	518	100	200	Pass
		2454516 (7)-8	30-May-2024	Night time	2	496				
		2454516 (7)-9	30-May-2024	Night time	3	508				
		2454516 (7)-10	30-May-2024	Night time	4	450				
		2454516 (7)-11	30-May-2024	Night time	5	566				
		2454516 (7)-12	30-May-2024	Night time	6	507				

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Analysis / Test Report

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P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location :

Lot ID: 2454516 (7)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (7)-1

Page 2 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)	Spot	Average	Spot/Min	Guideline Limit
2	Area : MB 3 : 3rd Floor : Control Room #2	2454516 (7)-13	30-May-2024	Day time	1	302	438	100	200	Pass
		2454516 (7)-14	30-May-2024	Day time	2	325				
		2454516 (7)-15	30-May-2024	Day time	3	412				
		2454516 (7)-16	30-May-2024	Day time	4	454				
		2454516 (7)-17	30-May-2024	Day time	5	400				
		2454516 (7)-18	30-May-2024	Day time	6	408				
		2454516 (7)-19	30-May-2024	Day time	7	332				
		2454516 (7)-20	30-May-2024	Day time	8	330				
		2454516 (7)-21	30-May-2024	Day time	9	312				
		2454516 (7)-22	30-May-2024	Day time	10	328				
		2454516 (7)-23	30-May-2024	Day time	11	450				
		2454516 (7)-24	30-May-2024	Day time	12	432				
		2454516 (7)-25	30-May-2024	Day time	17	481				
		2454516 (7)-26	30-May-2024	Day time	14	462				
		2454516 (7)-27	30-May-2024	Day time	15	550				
		2454516 (7)-28	30-May-2024	Day time	16	545				
		2454516 (7)-29	30-May-2024	Day time	17	498				
		2454516 (7)-30	30-May-2024	Day time	18	473				
		2454516 (7)-31	30-May-2024	Night time	1	353	420	100	200	Pass
		2454516 (7)-32	30-May-2024	Night time	2	352				
		2454516 (7)-33	30-May-2024	Night time	3	423				
		2454516 (7)-34	30-May-2024	Night time	4	437				
		2454516 (7)-35	30-May-2024	Night time	5	415				
		2454516 (7)-36	30-May-2024	Night time	6	418				
		2454516 (7)-37	30-May-2024	Night time	7	360				
		2454516 (7)-38	30-May-2024	Night time	8	418				
		2454516 (7)-39	30-May-2024	Night time	9	343				
		2454516 (7)-40	30-May-2024	Night time	10	352				
		2454516 (7)-41	30-May-2024	Night time	11	427				
		2454516 (7)-42	30-May-2024	Night time	12	438				
		2454516 (7)-43	30-May-2024	Night time	13	417				
		2454516 (7)-44	30-May-2024	Night time	14	418				
		2454516 (7)-45	30-May-2024	Night time	15	454				
		2454516 (7)-46	30-May-2024	Night time	16	478				
		2454516 (7)-47	30-May-2024	Night time	17	462				
		2454516 (7)-48	30-May-2024	Night time	18	437				

Measurement by : Chayanut Boongtong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (8)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (8)-1

Page 1 of 2

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Evaporator House : 3rd Floor : Evap DCS Control Room	2454516 (8)-1	30-May-2024	Day time	1	367	166	150	300	Pass
		2454516 (8)-2	30-May-2024	Day time	2	347				
		2454516 (8)-3	30-May-2024	Day time	3	356				
		2454516 (8)-4	30-May-2024	Day time	4	304				
		2454516 (8)-5	30-May-2024	Day time	5	325				
		2454516 (8)-6	30-May-2024	Day time	6	324				
		2454516 (8)-7	30-May-2024	Day time	7	319				
		2454516 (8)-8	30-May-2024	Day time	8	348				
		2454516 (8)-9	30-May-2024	Day time	9	372				
		2454516 (8)-10	30-May-2024	Day time	10	352				
		2454516 (8)-11	30-May-2024	Day time	11	358				
		2454516 (8)-12	30-May-2024	Day time	12	412				
		2454516 (8)-13	30-May-2024	Day time	13	432				
		2454516 (8)-14	30-May-2024	Day time	14	403				
		2454516 (8)-15	30-May-2024	Day time	15	395				
		2454516 (8)-16	30-May-2024	Day time	16	364				
		2454516 (8)-17	30-May-2024	Night time	1	342	149	150	300	Pass
		2454516 (8)-18	30-May-2024	Night time	2	334				
		2454516 (8)-19	30-May-2024	Night time	3	356				
		2454516 (8)-20	30-May-2024	Night time	4	312				
		2454516 (8)-21	30-May-2024	Night time	5	346				
		2454516 (8)-22	30-May-2024	Night time	6	329				
		2454516 (8)-23	30-May-2024	Night time	7	296				
		2454516 (8)-24	30-May-2024	Night time	8	354				
		2454516 (8)-25	30-May-2024	Night time	9	342				
		2454516 (8)-26	30-May-2024	Night time	10	362				
		2454516 (8)-27	30-May-2024	Night time	11	331				
		2454516 (8)-28	30-May-2024	Night time	12	400				
		2454516 (8)-29	30-May-2024	Night time	13	369				
		2454516 (8)-30	30-May-2024	Night time	14	398				
		2454516 (8)-31	30-May-2024	Night time	15	362				
		2454516 (8)-32	30-May-2024	Night time	16	354				

Technical Management

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Supot Salameh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (8)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (8)-1

Page 2 of 2

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
2	Area : Evaporator House : 3rd Floor : Evap MCC Room	2454516 (8)-33	30-May-2024	Day time	1	330	291	100	200	Pass
		2454516 (8)-34	30-May-2024	Day time	2	416				
		2454516 (8)-35	30-May-2024	Day time	3	359				
		2454516 (8)-36	30-May-2024	Day time	4	352				
		2454516 (8)-37	30-May-2024	Day time	5	201				
		2454516 (8)-38	30-May-2024	Day time	6	373				
		2454516 (8)-39	30-May-2024	Day time	7	184				
		2454516 (8)-40	30-May-2024	Day time	8	207				
		2454516 (8)-41	30-May-2024	Day time	9	314				
		2454516 (8)-42	30-May-2024	Day time	10	305				
		2454516 (8)-43	30-May-2024	Day time	11	328				
		2454516 (8)-44	30-May-2024	Day time	12	349				
		2454516 (8)-45	30-May-2024	Night time	1	312	290	100	200	Pass
		2454516 (8)-46	30-May-2024	Night time	2	407				
		2454516 (8)-47	30-May-2024	Night time	3	342				
		2454516 (8)-48	30-May-2024	Night time	4	359				
		2454516 (8)-49	30-May-2024	Night time	5	295				
		2454516 (8)-50	30-May-2024	Night time	6	200				
		2454516 (8)-51	30-May-2024	Night time	7	194				
		2454516 (8)-52	30-May-2024	Night time	8	217				
		2454516 (8)-53	30-May-2024	Night time	9	305				
		2454516 (8)-54	30-May-2024	Night time	10	301				
		2454516 (8)-55	30-May-2024	Night time	11	308				
		2454516 (8)-56	30-May-2024	Night time	12	336				

Measurement by : Chayanul Boontangtong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 390 dated February 21 B.E.2561 (2018)

Technical Management

Spt S
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (9)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (9)-1

Page 1 of 3

Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : Boiling House : 4th Floor : Control Room (DCS)	2454516 (9)-1	30-May-2024	Day time	1	416	430	150	200	Pass
		2454516 (9)-2	30-May-2024	Day time	2	490				
		2454516 (9)-3	30-May-2024	Day time	3	477				
		2454516 (9)-4	30-May-2024	Day time	4	439				
		2454516 (9)-5	30-May-2024	Day time	5	370				
		2454516 (9)-6	30-May-2024	Day time	6	369				
		2454516 (9)-7	30-May-2024	Day time	7	457				
		2454516 (9)-8	30-May-2024	Day time	8	442				
		2454516 (9)-9	30-May-2024	Day time	9	436				
		2454516 (9)-10	30-May-2024	Day time	10	409				
		2454516 (9)-11	30-May-2024	Night time	1	392	406	150	200	Pass
		2454516 (9)-12	30-May-2024	Night time	2	388				
		2454516 (9)-13	30-May-2024	Night time	3	412				
		2454516 (9)-14	30-May-2024	Night time	4	402				
		2454516 (9)-15	30-May-2024	Night time	5	397				
		2454516 (9)-16	30-May-2024	Night time	6	382				
		2454516 (9)-17	30-May-2024	Night time	7	415				
		2454516 (9)-18	30-May-2024	Night time	8	442				
		2454516 (9)-19	30-May-2024	Night time	9	430				
		2454516 (9)-20	30-May-2024	Night time	10	419				
2	Area : Boiling House : 4th Floor : Control Room (MOS)	2454516 (9)-21	30-May-2024	Day time	1	425	403	100	200	Pass
		2454516 (9)-22	30-May-2024	Day time	2	357				
		2454516 (9)-23	30-May-2024	Day time	3	361				
		2454516 (9)-24	30-May-2024	Day time	4	510				
		2454516 (9)-25	30-May-2024	Day time	5	248				
		2454516 (9)-26	30-May-2024	Day time	6	259				
		2454516 (9)-27	30-May-2024	Day time	7	350				
		2454516 (9)-28	30-May-2024	Day time	8	312				
		2454516 (9)-29	30-May-2024	Night time	1	419	419	100	200	Pass
		2454516 (9)-30	30-May-2024	Night time	2	398				
		2454516 (9)-31	30-May-2024	Night time	3	528				
		2454516 (9)-32	30-May-2024	Night time	4	532				
		2454516 (9)-33	30-May-2024	Night time	5	257				
		2454516 (9)-34	30-May-2024	Night time	6	279				
		2454516 (9)-35	30-May-2024	Night time	7	369				
		2454516 (9)-36	30-May-2024	Night time	8	342				

Measurement by : Chayanul Boontangtong

Technical Management

Spt S
Supot Salameh
Section Head

Approved by

Wichan Choonharat
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kaset Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (9)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (9)-1

Page 2 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2560 (2017), and published in the Royal Government Gazette, Vol.135, Part 290 dated February 21 B.E.2561 (2018)										



Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.1010000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (10)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (10)-1

Page 1 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
1	Area : grains Refinery : 5th Floor : Control Room	2454516 (10)-1	30-May-2024	Day time	1	359	346	150	300	Pass
2454516 (10)-2		30-May-2024	Day time	2	434					
2454516 (10)-3		30-May-2024	Day time	3	492					
2454516 (10)-4		30-May-2024	Day time	4	437					
2454516 (10)-5		30-May-2024	Day time	5	326					
2454516 (10)-6		30-May-2024	Day time	6	432					
2454516 (10)-7		30-May-2024	Day time	7	405					
2454516 (10)-8		30-May-2024	Day time	8	294					
2454516 (10)-9		30-May-2024	Day time	9	278					
2454516 (10)-10		30-May-2024	Day time	10	284					
2454516 (10)-11		30-May-2024	Day time	11	216					
2454516 (10)-12		30-May-2024	Day time	12	342					
2454516 (10)-13		30-May-2024	Day time	13	325					
2454516 (10)-14		30-May-2024	Day time	14	213					
2454516 (10)-15		30-May-2024	Day time	15	367					
2454516 (10)-16		30-May-2024	Day time	16	284					
2454516 (10)-17		30-May-2024	Day time	17	375					
2454516 (10)-18		30-May-2024	Day time	18	429					
2454516 (10)-19		30-May-2024	Night time	1	352	355	150	300	Pass	
2454516 (10)-20		30-May-2024	Night time	2	357					
2454516 (10)-21		30-May-2024	Night time	3	368					
2454516 (10)-22		30-May-2024	Night time	4	350					
2454516 (10)-23		30-May-2024	Night time	5	356					
2454516 (10)-24		30-May-2024	Night time	6	398					
2454516 (10)-25		30-May-2024	Night time	7	352					
2454516 (10)-26		30-May-2024	Night time	8	315					
2454516 (10)-27		30-May-2024	Night time	9	343					
2454516 (10)-28		30-May-2024	Night time	10	347					
2454516 (10)-29		30-May-2024	Night time	11	312					
2454516 (10)-30		30-May-2024	Night time	12	334					
2454516 (10)-31		30-May-2024	Night time	13	359					
2454516 (10)-32		30-May-2024	Night time	14	305					
2454516 (10)-33		30-May-2024	Night time	15	412					
2454516 (10)-34		30-May-2024	Night time	16	328					
2454516 (10)-35		30-May-2024	Night time	17	395					
2454516 (10)-36		30-May-2024	Night time	18	412					

Technical Management

Supot S.
Supot Salameh
Section Head

Approved by

Wichan C.
Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.1010000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (10)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (10)-1

Page 2 of 2

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux)		Guideline Limit		Comment
						Spot	Average	Spot/Min	Average	
2	Area : grain Refinery : 5th Floor : MOB Room	2454516 (10)-37	30-May-2024	Day time	1	152	284	100	200	Pass
		2454516 (10)-38	30-May-2024	Day time	2	276				
		2454516 (10)-39	30-May-2024	Day time	3	289				
		2454516 (10)-40	30-May-2024	Day time	4	482				
		2454516 (10)-41	30-May-2024	Day time	5	428				
		2454516 (10)-42	30-May-2024	Day time	6	340				
		2454516 (10)-43	30-May-2024	Day time	7	154				
		2454516 (10)-44	30-May-2024	Day time	8	197				
		2454516 (10)-45	30-May-2024	Day time	9	267				
		2454516 (10)-46	30-May-2024	Day time	10	203				
		2454516 (10)-47	30-May-2024	Day time	11	439				
		2454516 (10)-48	30-May-2024	Day time	12	195				
		2454516 (10)-49	30-May-2024	Day time	13	157				
		2454516 (10)-50	30-May-2024	Day time	14	448				
		2454516 (10)-51	30-May-2024	Day time	15	207				
		2454516 (10)-52	30-May-2024	Day time	16	189				
		2454516 (10)-53	30-May-2024	Day time	17	399				
		2454516 (10)-54	30-May-2024	Day time	18	293				
		2454516 (10)-55	30-May-2024	Night time	1	229	300	100	200	Pass
		2454516 (10)-56	30-May-2024	Night time	2	327				
		2454516 (10)-57	30-May-2024	Night time	3	358				
		2454516 (10)-58	30-May-2024	Night time	4	486				
		2454516 (10)-59	30-May-2024	Night time	5	412				
		2454516 (10)-60	30-May-2024	Night time	6	359				
		2454516 (10)-61	30-May-2024	Night time	7	187				
		2454516 (10)-62	30-May-2024	Night time	8	195				
		2454516 (10)-63	30-May-2024	Night time	9	237				
		2454516 (10)-64	30-May-2024	Night time	10	214				
		2454516 (10)-65	30-May-2024	Night time	11	405				
		2454516 (10)-66	30-May-2024	Night time	12	217				
		2454516 (10)-67	30-May-2024	Night time	13	208				
		2454516 (10)-68	30-May-2024	Night time	14	412				
		2454516 (10)-69	30-May-2024	Night time	15	187				
		2454516 (10)-70	30-May-2024	Night time	16	210				
		2454516 (10)-71	30-May-2024	Night time	17	345				
		2454516 (10)-72	30-May-2024	Night time	18	358				

Measurement by : Chayansil Boontangong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2566 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

Supot S.
Supot Salameh
Section Head

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Wichan Choonharat
Assistant Manager

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Analysis / Test Report

Client : Kasol Phol Sugar Co., Ltd.
9 Moo 9, Pa Kho, Kumphawapi, Udon Thani Thailand 41370
P/O :
Project Name : Factory License No.10410000125343_EIA Monitoring
Project Location:

Lot ID: 2454516 (11)
Date Received : Jun 01, 2024
Date Reported : Jun 14, 2024
Report Number: 2454516 (11)-1

Page 1 of 1

Kaset Phol Sugar Co., Ltd.										
Lay out No.	Location	Reference Number	Date	Time	No.	Illuminance (Lux) Spot	Average	Guideline Limit Spot/Min	Average	Comment
4	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-1	30-May-2024	Day time	1	407	-	400-500	-	Pass
5	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-2	30-May-2024	Day time	1	343	-	400-500	-	Fail
6	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-3	30-May-2024	Day time	1	401	-	400-500	-	Pass
7	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-4	30-May-2024	Day time	1	341	-	400-500	-	Fail
8	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-5	30-May-2024	Day time	1	363	-	400-500	-	Fail
9	Spot : อาคารโรงกลั่น : 1st Floor : โต๊ะงานเครื่องจักร	2454516 (11)-6	30-May-2024	Day time	1	402	-	400-500	-	Pass

Measurement by : Chayansil Boontangong

Guideline : Notification of Department of Labour Protection and Welfare, B.E.2560 (2017) dated November 27, B.E.2566 (2017), and published in the Royal Government Gazette, Vol.135, Part 39D dated February 21 B.E.2561 (2018)

Technical Management

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Supot Salameh
Section Head

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Wichan Choonharat
Assistant Manager

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