

## ภาคผนวก ค-4

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ระดับเสียงทั่วไป



## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321691-1C1

Page 1 of 1

Sample Number 2249985-1  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	60.4	72.7	58.7
10:00 AM - 11:00 AM	60.8	81.0	59.5
11:00 AM - 12:00 PM	61.4	78.4	60.0
12:00 PM - 01:00 PM	65.5	70.3	62.8
01:00 PM - 02:00 PM	67.2	72.4	64.4
02:00 PM - 03:00 PM	67.9	75.8	64.9
03:00 PM - 04:00 PM	53.7	56.8	51.9
04:00 PM - 05:00 PM	60.6	80.3	53.2
05:00 PM - 06:00 PM	62.0	80.6	55.2
06:00 PM - 07:00 PM	60.1	77.8	53.6
07:00 PM - 08:00 PM	56.0	70.0	50.6
08:00 PM - 09:00 PM	56.1	70.4	50.8
09:00 PM - 10:00 PM	62.1	85.7	53.1
10:00 PM - 11:00 PM	61.8	84.6	51.2
11:00 PM - 12:00 AM	59.7	78.3	52.6
12:00 AM - 01:00 AM	60.4	80.2	52.2
01:00 AM - 02:00 AM	60.6	80.2	51.6
02:00 AM - 03:00 AM	65.5	96.6	52.7
03:00 AM - 04:00 AM	63.4	79.7	52.9
04:00 AM - 05:00 AM	55.8	69.0	50.4
05:00 AM - 06:00 AM	55.7	69.9	50.0
06:00 AM - 07:00 AM	54.9	75.9	49.4
07:00 AM - 08:00 AM	53.7	68.3	48.2
08:00 AM - 09:00 AM	58.4	79.1	49.0

Leq Average 24 hrs. (dB(A)) 61.9  
Lmax (dB(A)) 96.6  
L90 (dB(A)) 52.6  
Ldn (dB(A)) 67.7  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150  
**P/O :** PMM-SCGCH-2019-343  
**Project Name :** Environmental Monitoring  
**Project Location :** Site 1

**Lot ID: 2249985**

Date Received : May 19, 2022  
Date Reported : May 30, 2022  
Report Number: 2321692-1C1

Page 1 of 1

**Sample Number** 2249985-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
**Measurement Date** May 07 - May 08, 2022  
**Measurement by** Anurak Tongkhajonsakda  
**Sound Level meter** Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.7	73.0	48.1
10:00 AM - 11:00 AM	53.1	66.8	49.6
11:00 AM - 12:00 PM	54.9	70.3	49.7
12:00 PM - 01:00 PM	54.9	65.5	49.5
01:00 PM - 02:00 PM	51.9	65.9	46.8
02:00 PM - 03:00 PM	53.2	64.0	48.5
03:00 PM - 04:00 PM	51.5	66.6	45.9
04:00 PM - 05:00 PM	52.3	71.7	46.1
05:00 PM - 06:00 PM	51.9	71.6	45.2
06:00 PM - 07:00 PM	50.7	67.7	45.0
07:00 PM - 08:00 PM	50.1	67.5	44.3
08:00 PM - 09:00 PM	49.6	62.3	44.2
09:00 PM - 10:00 PM	49.8	63.2	43.8
10:00 PM - 11:00 PM	48.2	59.4	44.0
11:00 PM - 12:00 AM	48.7	65.3	42.6
12:00 AM - 01:00 AM	47.6	65.2	42.9
01:00 AM - 02:00 AM	46.9	63.1	42.7
02:00 AM - 03:00 AM	48.4	62.0	43.2
03:00 AM - 04:00 AM	49.8	71.5	43.3
04:00 AM - 05:00 AM	48.1	63.9	43.2
05:00 AM - 06:00 AM	46.9	66.4	43.1
06:00 AM - 07:00 AM	60.1	84.5	51.7
07:00 AM - 08:00 AM	63.1	83.2	51.7
08:00 AM - 09:00 AM	52.4	69.5	46.1

Leq Average 24 hrs. (dB(A)) 54.0  
Lmax (dB(A)) 84.5  
L90 (dB(A)) 45.0  
Ldn (dB(A)) 59.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321693-1C1

Page 1 of 1

Sample Number 2249985-3  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 08 - May 09, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	59.1	80.3	46.9
10:00 AM - 11:00 AM	48.0	65.4	42.6
11:00 AM - 12:00 PM	46.5	58.7	42.9
12:00 PM - 01:00 PM	44.0	56.2	42.4
01:00 PM - 02:00 PM	44.1	53.8	42.2
02:00 PM - 03:00 PM	58.7	79.1	52.6
03:00 PM - 04:00 PM	63.4	83.0	53.8
04:00 PM - 05:00 PM	53.6	72.2	48.2
05:00 PM - 06:00 PM	60.1	78.9	50.9
06:00 PM - 07:00 PM	44.1	57.7	40.9
07:00 PM - 08:00 PM	46.2	65.4	41.5
08:00 PM - 09:00 PM	45.1	58.2	41.7
09:00 PM - 10:00 PM	43.9	55.4	40.9
10:00 PM - 11:00 PM	47.7	69.3	41.9
11:00 PM - 12:00 AM	47.6	64.1	43.2
12:00 AM - 01:00 AM	47.0	60.1	43.2
01:00 AM - 02:00 AM	47.8	65.8	43.3
02:00 AM - 03:00 AM	52.7	70.5	45.1
03:00 AM - 04:00 AM	51.7	68.3	44.9
04:00 AM - 05:00 AM	49.6	63.6	44.8
05:00 AM - 06:00 AM	50.8	65.3	44.5
06:00 AM - 07:00 AM	52.5	72.5	45.4
07:00 AM - 08:00 AM	51.3	63.9	46.8
08:00 AM - 09:00 AM	53.6	72.4	48.6

Leq Average 24 hrs. (dB(A)) 54.4  
Lmax (dB(A)) 83.0  
L90 (dB(A)) 43.3  
Ldn (dB(A)) 58.0  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

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Scientist (4)

Approved by

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Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321694-1C1

Page 1 of 1

Sample Number 2249985-4  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	57.3	70.6	51.1
10:00 AM - 11:00 AM	56.0	79.3	51.1
11:00 AM - 12:00 PM	55.8	65.0	52.2
12:00 PM - 01:00 PM	55.2	71.3	50.8
01:00 PM - 02:00 PM	54.8	70.4	48.9
02:00 PM - 03:00 PM	52.9	63.8	48.2
03:00 PM - 04:00 PM	57.4	78.5	49.0
04:00 PM - 05:00 PM	54.1	74.3	48.5
05:00 PM - 06:00 PM	54.3	73.0	48.8
06:00 PM - 07:00 PM	52.7	67.4	48.4
07:00 PM - 08:00 PM	53.2	69.6	47.4
08:00 PM - 09:00 PM	54.6	70.3	48.5
09:00 PM - 10:00 PM	55.3	73.6	48.7
10:00 PM - 11:00 PM	53.2	66.6	47.3
11:00 PM - 12:00 AM	53.4	70.3	48.0
12:00 AM - 01:00 AM	53.9	71.7	48.5
01:00 AM - 02:00 AM	53.4	68.7	47.1
02:00 AM - 03:00 AM	51.2	69.2	46.5
03:00 AM - 04:00 AM	52.1	75.0	45.6
04:00 AM - 05:00 AM	52.7	72.2	45.9
05:00 AM - 06:00 AM	52.0	71.2	46.3
06:00 AM - 07:00 AM	51.6	71.9	44.6
07:00 AM - 08:00 AM	52.1	65.8	43.7
08:00 AM - 09:00 AM	49.5	63.8	43.7

Leq Average 24 hrs. (dB(A)) 54.1  
Lmax (dB(A)) 79.3  
L90 (dB(A)) 48.2  
Ldn (dB(A)) 59.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

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Scientist (4)

Approved by

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321695-1C1

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Sample Number 2249985-5  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 10 - May 11, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.4	69.8	46.7
10:00 AM - 11:00 AM	50.8	63.3	44.9
11:00 AM - 12:00 PM	51.5	64.7	44.9
12:00 PM - 01:00 PM	49.8	64.9	43.8
01:00 PM - 02:00 PM	52.5	64.6	45.3
02:00 PM - 03:00 PM	52.8	67.2	45.1
03:00 PM - 04:00 PM	55.5	78.1	47.4
04:00 PM - 05:00 PM	50.9	65.1	43.6
05:00 PM - 06:00 PM	49.9	65.2	43.6
06:00 PM - 07:00 PM	52.1	68.7	45.3
07:00 PM - 08:00 PM	52.7	73.2	47.1
08:00 PM - 09:00 PM	52.3	65.6	45.6
09:00 PM - 10:00 PM	53.1	70.0	46.5
10:00 PM - 11:00 PM	55.3	77.8	46.9
11:00 PM - 12:00 AM	53.0	66.0	47.7
12:00 AM - 01:00 AM	54.2	69.2	49.2
01:00 AM - 02:00 AM	54.7	69.3	46.5
02:00 AM - 03:00 AM	52.7	65.3	47.0
03:00 AM - 04:00 AM	55.3	69.8	49.1
04:00 AM - 05:00 AM	54.3	78.8	48.4
05:00 AM - 06:00 AM	58.5	77.9	48.9
06:00 AM - 07:00 AM	63.3	92.6	50.1
07:00 AM - 08:00 AM	62.8	85.1	50.0
08:00 AM - 09:00 AM	54.4	68.8	48.0

Leq Average 24 hrs. (dB(A)) 55.8  
Lmax (dB(A)) 92.6  
L90 (dB(A)) 46.7  
Ldn (dB(A)) 63.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321696-1C1

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Sample Number 2249985-6  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	53.2	66.0	47.2
10:00 AM - 11:00 AM	58.1	78.7	49.7
11:00 AM - 12:00 PM	52.8	59.9	49.4
12:00 PM - 01:00 PM	55.2	69.9	48.9
01:00 PM - 02:00 PM	52.9	71.3	46.6
02:00 PM - 03:00 PM	53.9	66.2	48.7
03:00 PM - 04:00 PM	54.5	74.7	45.9
04:00 PM - 05:00 PM	53.6	72.5	45.6
05:00 PM - 06:00 PM	54.6	73.1	46.7
06:00 PM - 07:00 PM	57.0	77.6	46.1
07:00 PM - 08:00 PM	50.9	65.2	46.3
08:00 PM - 09:00 PM	51.3	68.9	45.9
09:00 PM - 10:00 PM	52.6	64.5	48.3
10:00 PM - 11:00 PM	51.4	71.4	45.2
11:00 PM - 12:00 AM	50.1	67.0	45.3
12:00 AM - 01:00 AM	47.7	62.2	44.4
01:00 AM - 02:00 AM	47.7	61.3	44.2
02:00 AM - 03:00 AM	48.9	66.0	43.7
03:00 AM - 04:00 AM	53.7	70.0	43.4
04:00 AM - 05:00 AM	46.7	62.1	42.1
05:00 AM - 06:00 AM	45.2	57.4	41.7
06:00 AM - 07:00 AM	45.6	63.7	42.1
07:00 AM - 08:00 AM	45.5	66.2	41.9
08:00 AM - 09:00 AM	52.4	76.8	41.4

Leq Average 24 hrs. (dB(A)) 52.8  
Lmax (dB(A)) 78.7  
L90 (dB(A)) 45.6  
Ldn (dB(A)) 56.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O : PMM-SCGCH-2019-343

Project Name : Environmental Monitoring

Project Location : Site 1

Lot ID: 2249985

Date Received : May 19, 2022

Date Reported : May 30, 2022

Report Number: 2321697-1C1

Page 1 of 1

Sample Number 2249985-7  
Parameter Noise (Leq 24 hrs.)  
Location อาคารสำนักงานของกลุ่มโรงงาน TPE Site#1  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073608

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	57.6	75.5	41.4
10:00 AM - 11:00 AM	55.8	69.0	50.4
11:00 AM - 12:00 PM	55.7	69.9	50.0
12:00 PM - 01:00 PM	54.9	75.9	49.4
01:00 PM - 02:00 PM	53.7	68.3	48.2
02:00 PM - 03:00 PM	58.4	79.1	49.0
03:00 PM - 04:00 PM	53.7	73.0	48.1
04:00 PM - 05:00 PM	53.1	66.8	49.6
05:00 PM - 06:00 PM	54.9	70.3	49.7
06:00 PM - 07:00 PM	54.9	65.5	49.5
07:00 PM - 08:00 PM	51.9	65.9	46.8
08:00 PM - 09:00 PM	53.2	64.0	48.5
09:00 PM - 10:00 PM	51.5	66.6	45.9
10:00 PM - 11:00 PM	52.3	71.7	46.1
11:00 PM - 12:00 AM	51.9	71.6	45.2
12:00 AM - 01:00 AM	50.7	67.7	45.0
01:00 AM - 02:00 AM	50.1	67.5	44.3
02:00 AM - 03:00 AM	49.6	62.3	44.2
03:00 AM - 04:00 AM	49.8	63.2	43.8
04:00 AM - 05:00 AM	48.0	62.8	42.5
05:00 AM - 06:00 AM	59.1	80.3	46.9
06:00 AM - 07:00 AM	67.6	87.0	54.4
07:00 AM - 08:00 AM	50.4	62.7	45.7
08:00 AM - 09:00 AM	50.4	63.0	46.2

Leq Average 24 hrs. (dB(A)) 56.9  
Lmax (dB(A)) 87.0  
L90 (dB(A)) 46.8  
Ldn (dB(A)) 65.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322676-1

Page 1 of 1

Sample Number 2250389-1  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	63.7	73.7	63.0
10:00 AM - 11:00 AM	63.4	67.6	62.3
11:00 AM - 12:00 PM	64.2	67.3	63.8
12:00 PM - 01:00 PM	65.3	83.5	64.2
01:00 PM - 02:00 PM	67.2	84.8	65.8
02:00 PM - 03:00 PM	66.3	85.5	64.5
03:00 PM - 04:00 PM	66.0	74.6	65.6
04:00 PM - 05:00 PM	65.3	71.6	64.1
05:00 PM - 06:00 PM	66.1	70.0	65.8
06:00 PM - 07:00 PM	65.7	71.0	64.5
07:00 PM - 08:00 PM	65.2	69.1	64.3
08:00 PM - 09:00 PM	65.0	68.6	64.1
09:00 PM - 10:00 PM	65.6	69.7	64.8
10:00 PM - 11:00 PM	65.3	69.2	64.4
11:00 PM - 12:00 AM	65.8	75.8	65.1
12:00 AM - 01:00 AM	65.5	69.7	64.4
01:00 AM - 02:00 AM	66.3	69.4	65.9
02:00 AM - 03:00 AM	65.7	69.4	64.8
03:00 AM - 04:00 AM	65.5	69.2	64.7
04:00 AM - 05:00 AM	65.8	69.7	65.0
05:00 AM - 06:00 AM	66.1	69.6	65.4
06:00 AM - 07:00 AM	67.3	70.8	65.4
07:00 AM - 08:00 AM	67.1	73.1	64.8
08:00 AM - 09:00 AM	66.9	72.1	64.6

Leq Average 24 hrs. (dB(A)) 65.8  
Lmax (dB(A)) 85.5  
L90 (dB(A)) 64.6  
Ldn (dB(A)) 72.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322677-1

Page 1 of 1

Sample Number 2250389-2  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 07 - May 08, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	67.6	74.5	67.1
10:00 AM - 11:00 AM	66.7	70.2	64.3
11:00 AM - 12:00 PM	66.1	73.7	64.1
12:00 PM - 01:00 PM	66.8	69.9	64.1
01:00 PM - 02:00 PM	66.5	77.0	64.4
02:00 PM - 03:00 PM	67.1	78.0	64.5
03:00 PM - 04:00 PM	66.5	71.9	64.5
04:00 PM - 05:00 PM	67.5	84.7	64.6
05:00 PM - 06:00 PM	67.2	69.9	64.5
06:00 PM - 07:00 PM	66.7	70.1	65.0
07:00 PM - 08:00 PM	65.4	69.4	64.5
08:00 PM - 09:00 PM	66.3	78.3	65.2
09:00 PM - 10:00 PM	65.5	69.3	64.6
10:00 PM - 11:00 PM	69.5	80.2	66.1
11:00 PM - 12:00 AM	66.6	78.6	65.5
12:00 AM - 01:00 AM	67.6	70.2	67.1
01:00 AM - 02:00 AM	67.1	70.6	65.9
02:00 AM - 03:00 AM	67.2	72.6	66.8
03:00 AM - 04:00 AM	66.1	69.3	65.5
04:00 AM - 05:00 AM	67.3	70.3	67.0
05:00 AM - 06:00 AM	66.5	72.1	65.7
06:00 AM - 07:00 AM	66.9	71.3	66.6
07:00 AM - 08:00 AM	66.1	74.5	65.3
08:00 AM - 09:00 AM	66.8	84.3	66.2

Leq Average 24 hrs. (dB(A)) 66.9  
Lmax (dB(A)) 84.7  
L90 (dB(A)) 65.2  
Ldn (dB(A)) 73.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322678-1

Page 1 of 1

Sample Number 2250389-3  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 08 - May 09, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.1	79.4	64.7
10:00 AM - 11:00 AM	65.8	74.6	65.4
11:00 AM - 12:00 PM	67.3	75.8	64.4
12:00 PM - 01:00 PM	65.7	76.4	65.1
01:00 PM - 02:00 PM	65.1	69.1	64.4
02:00 PM - 03:00 PM	65.8	84.2	65.3
03:00 PM - 04:00 PM	65.1	70.5	64.2
04:00 PM - 05:00 PM	66.0	74.0	65.6
05:00 PM - 06:00 PM	66.4	70.7	64.9
06:00 PM - 07:00 PM	65.7	76.4	65.1
07:00 PM - 08:00 PM	66.2	71.6	64.6
08:00 PM - 09:00 PM	69.8	78.6	65.6
09:00 PM - 10:00 PM	66.7	95.4	64.8
10:00 PM - 11:00 PM	68.0	73.8	65.8
11:00 PM - 12:00 AM	66.8	70.9	64.9
12:00 AM - 01:00 AM	68.6	75.7	68.0
01:00 AM - 02:00 AM	67.1	69.5	65.2
02:00 AM - 03:00 AM	67.1	70.6	64.9
03:00 AM - 04:00 AM	67.0	70.2	65.1
04:00 AM - 05:00 AM	67.5	70.4	65.0
05:00 AM - 06:00 AM	66.1	70.0	65.1
06:00 AM - 07:00 AM	66.3	70.4	65.2
07:00 AM - 08:00 AM	66.0	73.9	64.8
08:00 AM - 09:00 AM	66.3	71.8	65.9

Leq Average 24 hrs. (dB(A)) 66.7  
Lmax (dB(A)) 95.4  
L90 (dB(A)) 65.1  
Ldn (dB(A)) 73.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322679-1

Page 1 of 1

Sample Number 2250389-4  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	65.6	70.6	64.5
10:00 AM - 11:00 AM	66.1	77.0	64.6
11:00 AM - 12:00 PM	65.7	77.1	64.4
12:00 PM - 01:00 PM	66.0	82.9	64.9
01:00 PM - 02:00 PM	66.5	90.7	65.0
02:00 PM - 03:00 PM	66.2	88.0	64.5
03:00 PM - 04:00 PM	65.5	75.1	64.6
04:00 PM - 05:00 PM	65.6	79.8	64.4
05:00 PM - 06:00 PM	65.5	77.0	64.6
06:00 PM - 07:00 PM	67.1	73.7	64.2
07:00 PM - 08:00 PM	65.5	69.3	64.6
08:00 PM - 09:00 PM	65.7	68.9	64.8
09:00 PM - 10:00 PM	65.2	69.8	64.4
10:00 PM - 11:00 PM	66.1	70.2	64.7
11:00 PM - 12:00 AM	64.9	69.6	64.2
12:00 AM - 01:00 AM	66.1	69.6	65.8
01:00 AM - 02:00 AM	65.0	69.9	64.2
02:00 AM - 03:00 AM	65.6	68.6	65.3
03:00 AM - 04:00 AM	65.5	75.1	64.6
04:00 AM - 05:00 AM	68.1	82.3	67.1
05:00 AM - 06:00 AM	66.9	72.1	65.6
06:00 AM - 07:00 AM	66.6	72.3	65.6
07:00 AM - 08:00 AM	66.7	70.4	65.1
08:00 AM - 09:00 AM	65.8	77.0	64.9

Leq Average 24 hrs. (dB(A)) 66.0  
Lmax (dB(A)) 90.7  
L90 (dB(A)) 64.6  
Ldn (dB(A)) 72.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322680-1

Page 1 of 1

Sample Number 2250389-5  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 10 - May 11, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	67.6	85.0	66.7
10:00 AM - 11:00 AM	66.0	73.2	64.9
11:00 AM - 12:00 PM	66.3	69.5	65.9
12:00 PM - 01:00 PM	64.8	69.1	64.2
01:00 PM - 02:00 PM	66.3	82.2	64.7
02:00 PM - 03:00 PM	65.4	76.1	64.5
03:00 PM - 04:00 PM	65.7	83.3	64.5
04:00 PM - 05:00 PM	65.8	78.8	64.3
05:00 PM - 06:00 PM	65.0	75.9	64.1
06:00 PM - 07:00 PM	67.3	71.4	65.9
07:00 PM - 08:00 PM	64.5	74.9	64.1
08:00 PM - 09:00 PM	65.5	69.2	65.2
09:00 PM - 10:00 PM	64.5	68.9	64.1
10:00 PM - 11:00 PM	65.7	69.5	64.6
11:00 PM - 12:00 AM	64.9	72.0	64.2
12:00 AM - 01:00 AM	65.2	69.6	64.2
01:00 AM - 02:00 AM	65.1	68.9	64.2
02:00 AM - 03:00 AM	65.3	69.3	64.2
03:00 AM - 04:00 AM	66.1	69.6	65.8
04:00 AM - 05:00 AM	64.8	69.9	64.2
05:00 AM - 06:00 AM	66.0	76.3	65.5
06:00 AM - 07:00 AM	64.6	70.0	64.2
07:00 AM - 08:00 AM	66.1	71.1	65.7
08:00 AM - 09:00 AM	65.0	76.5	64.2

Leq Average 24 hrs. (dB(A)) 65.6  
Lmax (dB(A)) 85.0  
L90 (dB(A)) 64.3  
Ldn (dB(A)) 71.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Suppt S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322681-1

Page 1 of 1

Sample Number 2250389-6  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	65.7	72.2	64.4
10:00 AM - 11:00 AM	65.2	78.9	64.0
11:00 AM - 12:00 PM	65.1	69.2	63.5
12:00 PM - 01:00 PM	66.1	80.8	64.9
01:00 PM - 02:00 PM	67.0	86.0	63.5
02:00 PM - 03:00 PM	68.0	89.1	64.9
03:00 PM - 04:00 PM	64.4	80.1	63.7
04:00 PM - 05:00 PM	66.3	80.4	65.7
05:00 PM - 06:00 PM	64.9	70.4	64.1
06:00 PM - 07:00 PM	66.1	70.1	64.8
07:00 PM - 08:00 PM	65.1	69.1	63.9
08:00 PM - 09:00 PM	65.3	70.5	64.0
09:00 PM - 10:00 PM	65.6	75.0	64.2
10:00 PM - 11:00 PM	64.7	68.7	63.9
11:00 PM - 12:00 AM	65.1	68.8	64.2
12:00 AM - 01:00 AM	64.4	68.9	63.9
01:00 AM - 02:00 AM	65.5	69.6	65.2
02:00 AM - 03:00 AM	64.2	69.6	63.6
03:00 AM - 04:00 AM	65.5	69.9	64.4
04:00 AM - 05:00 AM	64.6	68.6	63.7
05:00 AM - 06:00 AM	65.3	70.8	63.8
06:00 AM - 07:00 AM	65.5	69.4	64.2
07:00 AM - 08:00 AM	64.7	74.2	63.9
08:00 AM - 09:00 AM	65.0	79.8	64.1

Leq Average 24 hrs. (dB(A)) 65.5  
Lmax (dB(A)) 89.1  
L90 (dB(A)) 64.0  
Ldn (dB(A)) 71.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322682-1

Page 1 of 1

Sample Number 2250389-7  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศใต้ของโรงงาน LDPE ติดกับถนนของนิคม  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 1073423

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	64.3	69.4	63.5
10:00 AM - 11:00 AM	65.6	71.0	65.2
11:00 AM - 12:00 PM	63.9	71.4	63.4
12:00 PM - 01:00 PM	65.9	71.4	65.4
01:00 PM - 02:00 PM	64.8	70.1	63.9
02:00 PM - 03:00 PM	65.9	71.0	64.3
03:00 PM - 04:00 PM	65.7	83.1	64.0
04:00 PM - 05:00 PM	65.0	75.4	63.8
05:00 PM - 06:00 PM	65.4	68.9	64.1
06:00 PM - 07:00 PM	65.2	70.8	64.3
07:00 PM - 08:00 PM	65.9	70.0	65.4
08:00 PM - 09:00 PM	64.3	70.6	63.9
09:00 PM - 10:00 PM	65.1	82.7	63.7
10:00 PM - 11:00 PM	64.2	83.4	62.4
11:00 PM - 12:00 AM	63.9	72.5	63.5
12:00 AM - 01:00 AM	63.2	69.5	62.0
01:00 AM - 02:00 AM	64.0	67.9	63.7
02:00 AM - 03:00 AM	63.6	68.9	62.4
03:00 AM - 04:00 AM	65.2	68.7	63.3
04:00 AM - 05:00 AM	65.0	71.0	62.7
05:00 AM - 06:00 AM	64.8	70.0	62.5
06:00 AM - 07:00 AM	65.5	72.4	65.0
07:00 AM - 08:00 AM	64.6	68.1	62.2
08:00 AM - 09:00 AM	64.0	67.5	63.3

Leq Average 24 hrs. (dB(A)) 64.9  
Lmax (dB(A)) 83.4  
L90 (dB(A)) 63.7  
Ldn (dB(A)) 70.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322683-1

Page 1 of 1

Sample Number 2250389-8  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 06 - May 07, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	65.2	66.2	65.0
10:00 AM - 11:00 AM	65.7	75.3	65.4
11:00 AM - 12:00 PM	65.4	67.2	65.1
12:00 PM - 01:00 PM	66.6	79.1	66.1
01:00 PM - 02:00 PM	68.0	87.4	66.4
02:00 PM - 03:00 PM	69.5	92.8	66.3
03:00 PM - 04:00 PM	66.6	68.0	66.3
04:00 PM - 05:00 PM	66.5	68.7	66.2
05:00 PM - 06:00 PM	66.5	67.5	66.3
06:00 PM - 07:00 PM	67.0	76.6	66.7
07:00 PM - 08:00 PM	66.7	68.5	66.4
08:00 PM - 09:00 PM	66.8	67.9	66.6
09:00 PM - 10:00 PM	67.1	68.3	66.8
10:00 PM - 11:00 PM	67.0	68.4	66.7
11:00 PM - 12:00 AM	67.0	68.3	66.7
12:00 AM - 01:00 AM	67.1	68.0	66.9
01:00 AM - 02:00 AM	67.3	68.8	67.1
02:00 AM - 03:00 AM	67.4	68.9	67.1
03:00 AM - 04:00 AM	67.4	69.0	67.1
04:00 AM - 05:00 AM	67.4	69.1	67.1
05:00 AM - 06:00 AM	67.4	68.8	67.2
06:00 AM - 07:00 AM	67.2	69.0	66.9
07:00 AM - 08:00 AM	66.9	68.2	66.5
08:00 AM - 09:00 AM	66.8	69.1	66.1

Leq Average 24 hrs. (dB(A)) 67.0  
Lmax (dB(A)) 92.8  
L90 (dB(A)) 66.5  
Ldn (dB(A)) 73.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Suppt S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322684-1

Page 1 of 1

Sample Number 2250389-9  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 07 - May 08, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.5	83.0	66.0
10:00 AM - 11:00 AM	67.6	77.2	66.2
11:00 AM - 12:00 PM	66.7	87.0	65.9
12:00 PM - 01:00 PM	66.5	73.4	66.1
01:00 PM - 02:00 PM	66.6	73.5	66.3
02:00 PM - 03:00 PM	66.5	75.0	66.2
03:00 PM - 04:00 PM	66.5	68.8	66.1
04:00 PM - 05:00 PM	66.6	71.7	66.3
05:00 PM - 06:00 PM	66.7	68.9	66.4
06:00 PM - 07:00 PM	67.0	69.3	66.6
07:00 PM - 08:00 PM	67.0	67.9	66.7
08:00 PM - 09:00 PM	67.1	75.0	66.8
09:00 PM - 10:00 PM	66.9	67.9	66.7
10:00 PM - 11:00 PM	69.1	83.0	67.0
11:00 PM - 12:00 AM	67.9	74.3	67.6
12:00 AM - 01:00 AM	67.9	69.1	67.6
01:00 AM - 02:00 AM	67.9	70.7	67.7
02:00 AM - 03:00 AM	67.7	68.6	67.6
03:00 AM - 04:00 AM	67.6	68.5	67.4
04:00 AM - 05:00 AM	67.6	68.8	67.4
05:00 AM - 06:00 AM	67.8	70.9	67.5
06:00 AM - 07:00 AM	67.7	70.1	67.4
07:00 AM - 08:00 AM	67.3	68.9	66.9
08:00 AM - 09:00 AM	67.4	80.7	66.6

Leq Average 24 hrs. (dB(A)) 67.3  
Lmax (dB(A)) 87.0  
L90 (dB(A)) 66.7  
Ldn (dB(A)) 74.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250389**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322685-1

Page 1 of 1

**Sample Number** 2250389-10  
**Parameter** Noise (Leq 24 hrs.)  
**Location** กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
**Measurement Date** May 08 - May 09, 2022  
**Measurement by** Anurak Tongkhajonsakda  
**Sound Level meter** Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.6	71.4	66.2
10:00 AM - 11:00 AM	66.3	72.5	65.8
11:00 AM - 12:00 PM	66.2	69.5	65.9
12:00 PM - 01:00 PM	66.1	71.7	65.7
01:00 PM - 02:00 PM	66.5	74.9	66.2
02:00 PM - 03:00 PM	66.5	74.4	66.2
03:00 PM - 04:00 PM	66.4	69.2	66.1
04:00 PM - 05:00 PM	66.4	69.0	66.2
05:00 PM - 06:00 PM	66.7	68.3	66.3
06:00 PM - 07:00 PM	66.9	68.8	66.4
07:00 PM - 08:00 PM	66.8	75.6	66.4
08:00 PM - 09:00 PM	66.6	70.3	66.3
09:00 PM - 10:00 PM	66.7	70.2	66.3
10:00 PM - 11:00 PM	67.3	72.1	66.9
11:00 PM - 12:00 AM	67.0	68.0	66.8
12:00 AM - 01:00 AM	67.1	68.3	66.8
01:00 AM - 02:00 AM	66.9	68.9	66.6
02:00 AM - 03:00 AM	67.1	69.3	66.8
03:00 AM - 04:00 AM	67.2	69.2	67.0
04:00 AM - 05:00 AM	67.3	69.1	67.0
05:00 AM - 06:00 AM	67.3	68.9	67.0
06:00 AM - 07:00 AM	67.0	71.0	66.6
07:00 AM - 08:00 AM	66.5	67.9	66.2
08:00 AM - 09:00 AM	66.5	69.6	65.9

Leq Average 24 hrs. (dB(A)) 66.8  
Lmax (dB(A)) 75.6  
L90 (dB(A)) 66.3  
Ldn (dB(A)) 73.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322686-1

Page 1 of 1

Sample Number 2250389-11  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 09 - May 10, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.2	68.6	65.8
10:00 AM - 11:00 AM	66.3	79.6	65.8
11:00 AM - 12:00 PM	66.3	69.3	65.8
12:00 PM - 01:00 PM	66.9	86.3	65.9
01:00 PM - 02:00 PM	66.6	77.7	66.1
02:00 PM - 03:00 PM	66.8	82.8	66.0
03:00 PM - 04:00 PM	66.3	67.6	66.0
04:00 PM - 05:00 PM	67.4	85.9	66.2
05:00 PM - 06:00 PM	66.6	68.5	66.2
06:00 PM - 07:00 PM	67.0	82.9	66.3
07:00 PM - 08:00 PM	66.8	69.1	66.6
08:00 PM - 09:00 PM	66.9	74.1	66.5
09:00 PM - 10:00 PM	66.7	68.5	66.4
10:00 PM - 11:00 PM	66.7	68.1	66.3
11:00 PM - 12:00 AM	66.5	67.3	66.3
12:00 AM - 01:00 AM	66.5	67.7	66.2
01:00 AM - 02:00 AM	66.4	67.1	66.3
02:00 AM - 03:00 AM	66.7	68.1	66.3
03:00 AM - 04:00 AM	66.0	67.5	65.8
04:00 AM - 05:00 AM	69.2	75.2	68.9
05:00 AM - 06:00 AM	68.4	69.4	68.0
06:00 AM - 07:00 AM	67.9	69.2	67.7
07:00 AM - 08:00 AM	67.5	68.3	67.0
08:00 AM - 09:00 AM	66.9	76.4	66.5

Leq Average 24 hrs. (dB(A)) 67.0  
Lmax (dB(A)) 86.3  
L90 (dB(A)) 66.3  
Ldn (dB(A)) 73.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250389**

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322687-1

Page 1 of 1

**Sample Number** 2250389-12  
**Parameter** Noise (Leq 24 hrs.)  
**Location** กึ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
**Measurement Date** May 10 - May 11, 2022  
**Measurement by** Anurak Tongkhajonsakda  
**Sound Level meter** Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	67.0	76.4	66.5
10:00 AM - 11:00 AM	66.9	72.7	66.5
11:00 AM - 12:00 PM	66.6	69.9	66.3
12:00 PM - 01:00 PM	66.6	71.0	66.4
01:00 PM - 02:00 PM	66.7	72.2	66.3
02:00 PM - 03:00 PM	66.6	70.9	66.3
03:00 PM - 04:00 PM	66.6	68.1	66.4
04:00 PM - 05:00 PM	66.8	76.8	66.5
05:00 PM - 06:00 PM	66.8	67.8	66.6
06:00 PM - 07:00 PM	66.8	71.4	66.6
07:00 PM - 08:00 PM	66.7	68.8	66.4
08:00 PM - 09:00 PM	66.6	72.7	66.3
09:00 PM - 10:00 PM	66.5	67.8	66.3
10:00 PM - 11:00 PM	66.5	67.3	66.2
11:00 PM - 12:00 AM	66.4	67.1	66.2
12:00 AM - 01:00 AM	66.5	67.7	66.2
01:00 AM - 02:00 AM	66.3	67.8	66.1
02:00 AM - 03:00 AM	66.5	67.7	66.2
03:00 AM - 04:00 AM	66.4	67.7	66.2
04:00 AM - 05:00 AM	66.5	67.8	66.2
05:00 AM - 06:00 AM	66.5	67.6	66.3
06:00 AM - 07:00 AM	66.4	67.5	66.2
07:00 AM - 08:00 AM	66.3	67.6	66.1
08:00 AM - 09:00 AM	66.3	67.8	66.0

Leq Average 24 hrs. (dB(A)) 66.6  
Lmax (dB(A)) 76.8  
L90 (dB(A)) 66.3  
Ldn (dB(A)) 72.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

**Technical Management**

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322688-1

Page 1 of 1

Sample Number 2250389-13  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 11 - May 12, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	66.2	75.5	65.9
10:00 AM - 11:00 AM	66.3	75.0	66.0
11:00 AM - 12:00 PM	66.1	70.3	65.7
12:00 PM - 01:00 PM	66.4	85.3	65.9
01:00 PM - 02:00 PM	66.3	82.9	65.7
02:00 PM - 03:00 PM	68.4	85.1	65.9
03:00 PM - 04:00 PM	67.0	85.7	66.0
04:00 PM - 05:00 PM	67.5	86.4	66.1
05:00 PM - 06:00 PM	66.5	71.0	66.2
06:00 PM - 07:00 PM	66.9	70.7	66.4
07:00 PM - 08:00 PM	66.4	67.6	66.2
08:00 PM - 09:00 PM	66.4	72.1	66.2
09:00 PM - 10:00 PM	66.5	79.7	66.2
10:00 PM - 11:00 PM	66.5	67.8	66.2
11:00 PM - 12:00 AM	66.4	67.8	66.2
12:00 AM - 01:00 AM	66.3	67.3	66.1
01:00 AM - 02:00 AM	66.5	68.0	66.2
02:00 AM - 03:00 AM	66.5	68.3	66.2
03:00 AM - 04:00 AM	66.5	68.0	66.2
04:00 AM - 05:00 AM	66.5	68.1	66.3
05:00 AM - 06:00 AM	66.4	67.7	66.2
06:00 AM - 07:00 AM	66.4	67.8	66.0
07:00 AM - 08:00 AM	66.0	69.0	65.8
08:00 AM - 09:00 AM	65.8	75.0	65.5

Leq Average 24 hrs. (dB(A)) 66.6  
Lmax (dB(A)) 86.4  
L90 (dB(A)) 66.1  
Ldn (dB(A)) 72.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand  
21150

P/O :

Project Name : Environmental Monitoring

Project Location : LDPE

Lot ID: 2250389

Date Received : May 19, 2022

Date Reported : May 25, 2022

Report Number: 2322689-1

Page 1 of 1

Sample Number 2250389-14  
Parameter Noise (Leq 24 hrs.)  
Location กิ่งกลางรั้วด้านทิศตะวันออกของโรงงาน LDPE ติดกับโรงงาน BIG  
Measurement Date May 12 - May 13, 2022  
Measurement by Anurak Tongkhajonsakda  
Sound Level meter Serial No. 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	65.9	76.2	65.5
10:00 AM - 11:00 AM	66.2	84.8	65.5
11:00 AM - 12:00 PM	65.9	75.0	65.5
12:00 PM - 01:00 PM	66.1	71.1	65.7
01:00 PM - 02:00 PM	66.3	71.5	66.0
02:00 PM - 03:00 PM	66.9	88.8	66.2
03:00 PM - 04:00 PM	66.6	84.3	66.2
04:00 PM - 05:00 PM	66.4	71.2	66.2
05:00 PM - 06:00 PM	66.5	70.9	66.2
06:00 PM - 07:00 PM	66.6	69.2	66.3
07:00 PM - 08:00 PM	66.6	68.2	66.3
08:00 PM - 09:00 PM	66.6	71.4	66.3
09:00 PM - 10:00 PM	66.5	68.1	66.3
10:00 PM - 11:00 PM	66.6	73.2	66.3
11:00 PM - 12:00 AM	66.5	67.7	66.3
12:00 AM - 01:00 AM	66.6	68.0	66.3
01:00 AM - 02:00 AM	66.7	67.7	66.4
02:00 AM - 03:00 AM	66.8	68.0	66.6
03:00 AM - 04:00 AM	66.7	68.6	66.5
04:00 AM - 05:00 AM	66.7	67.6	66.4
05:00 AM - 06:00 AM	66.8	69.5	66.6
06:00 AM - 07:00 AM	66.8	68.6	66.5
07:00 AM - 08:00 AM	66.1	67.7	65.8
08:00 AM - 09:00 AM	66.1	67.8	65.8

Leq Average 24 hrs. (dB(A)) 66.5  
Lmax (dB(A)) 88.8  
L90 (dB(A)) 66.3  
Ldn (dB(A)) 73.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Technical Management

Thanita K.

Thanita Kulsuriwong  
Scientist (4)

Approved by

Supot S.

Supot Salamteh  
Section Head

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# ภาคผนวก ค-5

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คุณภาพอากาศในสถานประกอบการ



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149026**

Date Received : Feb 10, 2022

Date Reported : Feb 19, 2022

Report Number : 2183899-1

Page 1 of 3

**Sample Number** 21149026-1  
**Sampled Date** Feb 09, 2022  
**Sample Description** Air Quality  
**Location** Compressor House  
**Date Analysis Commenced** Feb 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 760 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	4.7	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Surasak Sachin

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149026**

Date Received : Feb 10, 2022

Date Reported : Feb 19, 2022

Report Number : 2183899-1

Page 2 of 3

**Sample Number** 21149026-2  
**Sampled Date** Feb 09, 2022  
**Sample Description** Air Quality  
**Location** Degassing Hopper  
**Date Analysis Commenced** Feb 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 760 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	8.3	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Surasak Sachin

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149026**

Date Received : Feb 10, 2022

Date Reported : Feb 19, 2022

Report Number : 2183899-1

Page 3 of 3

**Sample Number** 21149026-3  
**Sampled Date** Feb 09, 2022  
**Sample Description** Air Quality  
**Location** Recycle Gas Cooler  
**Date Analysis Commenced** Feb 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 760 mmHg  
**Atmospheric Temperature** 31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	09:00 AM - 11:00 AM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	09:00 AM - 11:00 AM	ppm	-	1.0	6.0	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Surasak Sachin

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250404**

Date Received : May 10, 2022

Date Reported : May 19, 2022

Report Number : 2295986-1

Page 1 of 3

**Sample Number** 2250404-1  
**Sampled Date** May 09, 2022  
**Sample Description** Air Quality  
**Location** Compressor House  
**Date Analysis Commenced** May 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	10:00 AM - 12:00 PM	ppm	-	1.0	5.0	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Apichart Wilars

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sararat Mongkonjirawut  
Supervisor



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250404**

Date Received : May 10, 2022

Date Reported : May 19, 2022

Report Number : 2295986-1

Page 2 of 3

**Sample Number** 2250404-2  
**Sampled Date** May 09, 2022  
**Sample Description** Air Quality  
**Location** Degassing Hopper  
**Date Analysis Commenced** May 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	10:00 AM - 12:00 PM	ppm	-	1.0	4.8	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Apichart Wilars

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sararat Mongkonjirawut  
Supervisor



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.  
10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250404**

Date Received : May 10, 2022

Date Reported : May 19, 2022

Report Number : 2295986-1

Page 3 of 3

**Sample Number** 2250404-3  
**Sampled Date** May 09, 2022  
**Sample Description** Air Quality  
**Location** Recycle Gas Cooler  
**Date Analysis Commenced** May 11, 2022  
**Condition of Sample** Drawn into three 10-L air sampling bags  
**Barometric Pressure** 756 mmHg  
**Atmospheric Temperature** 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Ethylene	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	200	Based on ASTM, D 2712-91	ACGIH	Bangkok
Propane	10:00 AM - 12:00 PM	ppm	-	1.0	<1.0	No Standard	Based on ASTM, D 2712-91	-	Bangkok
Total Hydrocarbon as Methane	10:00 AM - 12:00 PM	ppm	-	1.0	4.2	No Standard	Total Hydrocarbon Analyzer	-	Rayong

**Guideline :**

ACGIH : The American Conference of Governmental Industrial Hygiene, The 6th edition of the Documentation of the Threshold Limit Values and Biological Exposure Indices (2020).

**Sampled By :** Apichart Wilars

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Sararat Mongkonjirawut  
Supervisor

## ภาคผนวก ค-6

---

ระดับเสียงในสถานประกอบการ



## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235432-1

Page 1 of 1

**Sample Number** 21149028-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** ภายนอก Compressor House  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	79.8	83.6	79.5
09:00 AM - 10:00 AM	79.8	80.9	79.5
10:00 AM - 11:00 AM	79.6	81.1	79.3
11:00 AM - 12:00 PM	79.3	80.7	78.9
12:00 PM - 01:00 PM	79.7	80.6	79.3
01:00 PM - 02:00 PM	79.6	81.4	79.3
02:00 PM - 03:00 PM	79.6	80.7	79.5
03:00 PM - 04:00 PM	79.7	80.2	79.5

Leq Average 8 hrs. (dB(A))

79.6

Lmax (dB(A))

83.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

**Technical Management**

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235433-1

Page 1 of 1

**Sample Number** 21149028-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Degassing Hopper  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:07 AM - 09:07 AM	81.1	83.1	80.8
09:07 AM - 10:07 AM	80.7	84.8	80.5
10:07 AM - 11:07 AM	80.5	81.3	80.3
11:07 AM - 12:07 PM	80.8	82.6	80.5
12:07 PM - 01:07 PM	80.8	83.1	80.6
01:07 PM - 02:07 PM	80.8	82.1	80.6
02:07 PM - 03:07 PM	80.5	81.8	80.3
03:07 PM - 04:07 PM	80.7	81.4	80.5

Leq Average 8 hrs. (dB(A))

80.7

Lmax (dB(A))

84.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235434-1

Page 1 of 1

**Sample Number** 21149028-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Recycle Gas Cooler  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	71.5	73.9	71.3
09:00 AM - 10:00 AM	71.4	72.0	71.2
10:00 AM - 11:00 AM	70.9	72.1	70.5
11:00 AM - 12:00 PM	71.2	73.2	70.4
12:00 PM - 01:00 PM	72.3	75.1	71.4
01:00 PM - 02:00 PM	72.8	75.6	72.1
02:00 PM - 03:00 PM	73.0	76.0	72.2
03:00 PM - 04:00 PM	72.9	75.1	72.2

Leq Average 8 hrs. (dB(A))

72.1

Lmax (dB(A))

76.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235435-1

Page 1 of 1

**Sample Number** 21149028-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** CCR  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:14 AM - 09:14 AM	69.2	75.2	69.1
09:14 AM - 10:14 AM	69.4	74.3	69.1
10:14 AM - 11:14 AM	69.8	73.3	69.1
11:14 AM - 12:14 PM	69.2	78.5	69.0
12:14 PM - 01:14 PM	69.1	72.6	69.0
01:14 PM - 02:14 PM	69.5	81.2	69.1
02:14 PM - 03:14 PM	69.2	69.9	69.2
03:14 PM - 04:14 PM	69.5	78.7	69.1

Leq Average 8 hrs. (dB(A))

69.4

Lmax (dB(A))

81.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235436-1

Page 1 of 1

**Sample Number** 21149028-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Bagging Area  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:00 AM - 09:00 AM	77.5	85.2	74.5
09:00 AM - 10:00 AM	78.6	82.8	74.8
10:00 AM - 11:00 AM	77.6	87.0	72.3
11:00 AM - 12:00 PM	78.6	90.5	76.9
12:00 PM - 01:00 PM	78.6	85.6	76.4
01:00 PM - 02:00 PM	78.4	85.6	76.2
02:00 PM - 03:00 PM	78.0	85.2	74.4
03:00 PM - 04:00 PM	76.7	87.7	73.5

Leq Average 8 hrs. (dB(A))

78.0

Lmax (dB(A))

90.5

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235437-1

Page 1 of 1

**Sample Number** 21149028-6  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Storage Area  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:18 AM - 09:18 AM	74.7	77.9	74.5
09:18 AM - 10:18 AM	74.5	75.1	74.4
10:18 AM - 11:18 AM	74.3	76.3	74.0
11:18 AM - 12:18 PM	75.1	79.6	73.9
12:18 PM - 01:18 PM	76.0	79.1	75.1
01:18 PM - 02:18 PM	75.0	77.4	74.6
02:18 PM - 03:18 PM	75.0	78.3	74.7
03:18 PM - 04:18 PM	75.2	76.9	74.9

Leq Average 8 hrs. (dB(A))

75.0

Lmax (dB(A))

79.6

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149028**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235438-1

Page 1 of 1

**Sample Number** 21149028-7  
**Parameter** Noise (Leq 8 hrs.)  
**Location** กิ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:20 AM - 09:20 AM	81.5	84.8	81.3
09:20 AM - 10:20 AM	81.5	82.6	81.3
10:20 AM - 11:20 AM	81.4	88.0	81.1
11:20 AM - 12:20 PM	81.1	82.0	80.9
12:20 PM - 01:20 PM	81.2	82.0	81.1
01:20 PM - 02:20 PM	81.2	81.9	81.0
02:20 PM - 03:20 PM	81.3	82.1	81.0
03:20 PM - 04:20 PM	81.7	82.6	81.5

Leq Average 8 hrs. (dB(A))

81.4

Lmax (dB(A))

88.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149027**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number: 2235426-1

Page 1 of 1

**Sample Number** 21149027-4  
**Parameter** Noise (Leq 12 hrs.)  
**Location** CCR  
**Measurement Date** Feb 09, 2022  
**Measurement by** Surasak Sachin

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
08:14 AM - 09:14 AM	69.2	75.2	69.1
09:14 AM - 10:14 AM	69.4	74.3	69.1
10:14 AM - 11:14 AM	69.8	73.3	69.1
11:14 AM - 12:14 PM	69.2	78.5	69.0
12:14 PM - 01:14 PM	69.1	72.6	69.0
01:14 PM - 02:14 PM	69.5	81.2	69.1
02:14 PM - 03:14 PM	69.2	69.9	69.2
03:14 PM - 04:14 PM	69.5	78.7	69.1
04:14 PM - 05:14 PM	69.2	75.2	69.1
05:14 PM - 06:14 PM	69.8	74.1	69.1
06:14 PM - 07:14 PM	69.1	71.6	69.0
07:14 PM - 08:14 PM	69.1	80.8	68.7

Leq Average 12 hrs. (dB(A))

69.3

Lmax (dB(A))

81.2

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

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**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311200-1

Page 1 of 1

**Sample Number** 2250408-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** ภายนอก Compressor House  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	80.8	85.2	80.5
10:00 AM - 11:00 AM	80.8	85.8	80.4
11:00 AM - 12:00 PM	81.1	84.2	80.7
12:00 PM - 01:00 PM	81.1	84.3	80.8
01:00 PM - 02:00 PM	81.2	82.8	80.9
02:00 PM - 03:00 PM	81.3	86.7	80.9
03:00 PM - 04:00 PM	81.9	83.5	81.4
04:00 PM - 05:00 PM	81.9	85.7	81.3
Leq Average 8 hrs. (dB(A))	81.3		
Lmax (dB(A))		86.7	
Standard (dB(A))	90	140	
Reference Method : ISO1996-1 and 1996-2			
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖			

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**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311201-1

Page 1 of 1

**Sample Number** 2250408-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Degassing Hopper  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	82.1	86.8	81.5
10:00 AM - 11:00 AM	81.5	84.5	80.8
11:00 AM - 12:00 PM	80.9	81.9	80.6
12:00 PM - 01:00 PM	81.9	84.3	81.0
01:00 PM - 02:00 PM	82.2	84.1	81.6
02:00 PM - 03:00 PM	82.3	85.8	81.8
03:00 PM - 04:00 PM	82.2	84.1	81.6
04:00 PM - 05:00 PM	82.6	84.9	82.0

Leq Average 8 hrs. (dB(A))

82.0

Lmax (dB(A))

86.8

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311202-1

Page 1 of 1

**Sample Number** 2250408-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Recycle Gas Cooler  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	71.2	82.4	70.6
10:00 AM - 11:00 AM	71.2	75.9	70.6
11:00 AM - 12:00 PM	71.8	75.9	71.0
12:00 PM - 01:00 PM	71.7	74.9	71.0
01:00 PM - 02:00 PM	71.1	74.2	70.0
02:00 PM - 03:00 PM	70.3	72.6	70.0
03:00 PM - 04:00 PM	71.0	91.3	70.2
04:00 PM - 05:00 PM	70.6	72.1	70.3

Leq Average 8 hrs. (dB(A))

71.1

Lmax (dB(A))

91.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**Technical Management**

*Thanita K.*

Thanita Kulsuriwong  
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**Approved by**

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Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311203-1

Page 1 of 1

**Sample Number** 2250408-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** CCR  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	70.0	73.6	69.9
10:00 AM - 11:00 AM	70.0	70.6	69.8
11:00 AM - 12:00 PM	70.0	73.9	69.8
12:00 PM - 01:00 PM	70.0	73.6	69.4
01:00 PM - 02:00 PM	70.1	71.6	69.9
02:00 PM - 03:00 PM	69.7	73.9	68.4
03:00 PM - 04:00 PM	70.0	70.6	69.9
04:00 PM - 05:00 PM	69.7	72.5	68.3

Leq Average 8 hrs. (dB(A))

69.9

Lmax (dB(A))

73.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311204-1

Page 1 of 1

**Sample Number** 2250408-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Bagging Area  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	77.7	87.3	73.4
10:00 AM - 11:00 AM	79.3	87.8	75.8
11:00 AM - 12:00 PM	81.3	83.9	80.5
12:00 PM - 01:00 PM	80.8	89.5	77.6
01:00 PM - 02:00 PM	81.3	83.7	80.6
02:00 PM - 03:00 PM	80.4	90.0	76.3
03:00 PM - 04:00 PM	80.0	85.5	75.3
04:00 PM - 05:00 PM	78.6	85.0	75.1

Leq Average 8 hrs. (dB(A))

80.1

Lmax (dB(A))

90.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311205-1

Page 1 of 1

**Sample Number** 2250408-6  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Storage Area  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	74.6	77.7	74.3
10:00 AM - 11:00 AM	74.6	75.8	74.3
11:00 AM - 12:00 PM	75.5	77.6	74.8
12:00 PM - 01:00 PM	76.2	78.8	75.4
01:00 PM - 02:00 PM	75.1	78.2	74.3
02:00 PM - 03:00 PM	74.3	75.3	74.1
03:00 PM - 04:00 PM	74.4	83.0	74.1
04:00 PM - 05:00 PM	74.4	75.6	74.2

Leq Average 8 hrs. (dB(A))

74.9

Lmax (dB(A))

83.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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## Analysis / Test Report

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250408**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311206-1

Page 1 of 1

**Sample Number** 2250408-7  
**Parameter** Noise (Leq 8 hrs.)  
**Location** กิ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	81.7	88.0	81.3
10:00 AM - 11:00 AM	81.7	83.5	81.3
11:00 AM - 12:00 PM	81.7	83.4	81.2
12:00 PM - 01:00 PM	81.8	84.7	81.4
01:00 PM - 02:00 PM	81.9	83.4	81.6
02:00 PM - 03:00 PM	82.0	83.3	81.6
03:00 PM - 04:00 PM	82.1	83.5	81.8
04:00 PM - 05:00 PM	82.1	83.3	81.8

Leq Average 8 hrs. (dB(A))

81.9

Lmax (dB(A))

88.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย

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## Analysis / Test Report

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**P/O :**

**Project Name** : Environmental Monitoring

**Project Location** : LDPE

**Lot ID: 2250407**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number: 2311196-1

Page 1 of 1

**Sample Number** 2250407-4  
**Parameter** Noise (Leq 12 hrs.)  
**Location** CCR  
**Measurement Date** May 09, 2022  
**Measurement by** Thitipong Buadaeng

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:00 AM - 10:00 AM	70.0	73.6	69.9
10:00 AM - 11:00 AM	70.0	70.6	69.8
11:00 AM - 12:00 PM	70.0	73.9	69.8
12:00 PM - 01:00 PM	70.0	73.6	69.4
01:00 PM - 02:00 PM	70.1	71.6	69.9
02:00 PM - 03:00 PM	69.7	73.9	68.4
03:00 PM - 04:00 PM	70.0	70.6	69.9
04:00 PM - 05:00 PM	69.7	72.5	68.3
05:00 PM - 06:00 PM	70.0	70.6	69.8
06:00 PM - 07:00 PM	70.0	71.5	69.8
07:00 PM - 08:00 PM	69.8	70.4	69.6
08:00 PM - 09:00 PM	69.9	73.5	69.3

Leq Average 12 hrs. (dB(A))

69.9

Lmax (dB(A))

73.9

Standard (dB(A))

87

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
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## Analysis / Test Report

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Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236423-1

Page 1 of 1

**Sample Number** 21149034-1  
**Parameter** Octave band  
**Location** ภาชนะ Compressor House  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	79.8	26.5	43.7	57.9	67.2	72.6	73.9	73.3	72.1	68.7	62.5	48.6
09:00 AM - 10:00 AM	79.8	26.7	43.8	57.8	67.2	72.2	74.3	73.3	71.9	68.5	62.0	48.4
10:00 AM - 11:00 AM	79.6	26.3	43.4	57.6	67.0	72.0	74.2	73.2	71.6	68.4	61.5	47.7
11:00 AM - 12:00 PM	79.3	26.0	43.2	57.8	66.4	71.3	73.9	73.0	71.4	68.1	61.3	47.3
12:00 PM - 01:00 PM	79.7	26.4	43.6	57.6	66.9	72.1	74.2	73.3	71.6	68.4	61.4	47.5
01:00 PM - 02:00 PM	79.6	26.4	43.6	58.0	66.9	72.0	73.8	73.4	71.7	68.5	61.4	47.6
02:00 PM - 03:00 PM	79.6	27.0	43.9	58.0	67.0	72.3	73.7	73.5	71.8	68.5	61.4	47.6
03:00 PM - 04:00 PM	79.7	26.6	43.8	57.9	67.1	72.5	73.7	73.5	71.8	68.3	61.4	47.6
04:00 PM - 05:00 PM	79.9	26.8	44.0	57.8	67.6	72.8	73.9	73.6	71.9	68.3	61.5	47.7
05:00 PM - 06:00 PM	80.1	26.9	44.2	58.1	67.8	73.0	74.2	73.8	72.0	68.4	61.4	47.7
06:00 PM - 07:00 PM	80.3	27.0	44.1	58.1	67.9	73.0	74.9	73.9	72.1	68.4	61.5	47.6
07:00 PM - 08:00 PM	80.1	27.0	44.2	58.0	67.8	73.0	74.1	73.8	72.1	68.5	61.7	47.9
Average	79.8	26.6	43.8	57.9	67.3	72.4	74.1	73.5	71.8	68.4	61.6	47.8

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

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Saranya Chalermthamrong  
Scientist (4)

**Approved by**

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Supot Salamteh  
Section Head

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## Analysis / Test Report

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Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236424-1

Page 1 of 1

**Sample Number** 21149034-2  
**Parameter** Octave band  
**Location** Degassing Hopper  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:07 AM - 09:07 AM	81.1	23.3	38.8	55.1	65.5	69.4	69.6	71.1	73.2	76.3	74.4	61.3
09:07 AM - 10:07 AM	80.7	23.5	38.6	54.1	65.3	68.9	68.8	70.7	72.7	76.1	74.2	61.0
10:07 AM - 11:07 AM	80.5	23.0	38.5	53.6	65.4	68.8	68.3	70.8	71.9	75.9	74.1	61.0
11:07 AM - 12:07 PM	80.8	23.0	38.5	54.0	65.7	69.2	68.7	70.5	72.7	76.1	74.4	61.6
12:07 PM - 01:07 PM	80.8	22.5	38.5	54.4	65.7	69.1	68.9	70.8	72.8	76.1	74.4	61.6
01:07 PM - 02:07 PM	80.8	22.9	38.5	54.9	65.5	69.5	68.7	70.8	72.8	76.0	74.4	61.7
02:07 PM - 03:07 PM	80.5	22.4	38.6	55.6	65.4	69.4	68.5	70.0	71.3	75.9	74.4	61.6
03:07 PM - 04:07 PM	80.7	22.6	38.6	56.0	65.6	69.1	68.7	69.8	72.5	76.1	74.5	61.8
04:07 PM - 05:07 PM	80.7	22.4	38.4	54.3	65.6	69.0	68.8	70.7	72.7	76.0	74.3	61.5
05:07 PM - 06:07 PM	80.6	22.5	38.7	55.7	65.5	69.5	68.6	70.1	71.4	76.0	74.5	61.7
06:07 PM - 07:07 PM	80.6	22.8	38.3	53.8	65.5	69.0	68.5	70.3	72.5	75.9	74.2	61.4
07:07 PM - 08:07 PM	80.8	23.6	38.7	54.2	65.4	69.0	68.9	70.8	72.8	76.2	74.3	61.1
Average	80.7	22.9	38.6	54.7	65.5	69.2	68.8	70.6	72.5	76.1	74.3	61.5

Reference Method : ANSI Standard S1.6-1984

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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236425-1

Page 1 of 1

**Sample Number** 21149034-3  
**Parameter** Octave band  
**Location** Recycle Gas Cooler  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	71.5	24.2	40.0	54.4	60.0	63.7	65.4	64.6	63.6	61.8	56.7	43.8
09:00 AM - 10:00 AM	71.4	24.7	40.6	54.2	59.8	63.2	65.4	64.3	63.5	61.8	56.6	43.7
10:00 AM - 11:00 AM	70.9	24.0	39.8	53.9	59.5	62.6	64.6	63.8	63.0	61.9	56.4	43.6
11:00 AM - 12:00 PM	71.2	23.3	38.9	53.4	59.1	62.7	64.5	65.1	63.8	61.6	56.1	43.3
12:00 PM - 01:00 PM	72.3	24.1	39.6	53.7	59.7	62.9	66.6	66.2	65.0	61.7	56.0	43.4
01:00 PM - 02:00 PM	72.8	23.7	39.4	53.7	59.3	62.8	67.1	66.2	66.8	61.9	56.0	43.4
02:00 PM - 03:00 PM	73.0	25.2	40.8	53.8	59.5	62.8	67.9	66.2	66.5	62.0	56.1	43.4
03:00 PM - 04:00 PM	72.9	24.6	40.8	54.1	59.9	63.1	67.4	66.8	66.4	61.7	56.1	43.5
04:00 PM - 05:00 PM	73.0	25.3	41.4	54.6	60.4	63.6	66.4	66.5	67.4	61.6	56.1	43.7
05:00 PM - 06:00 PM	72.9	25.8	41.8	55.0	60.8	63.7	65.4	67.1	67.4	61.5	56.0	43.7
06:00 PM - 07:00 PM	72.5	26.1	41.9	54.9	60.9	63.3	65.3	66.4	66.6	61.4	56.1	43.6
07:00 PM - 08:00 PM	72.2	23.1	38.8	53.1	58.7	62.2	66.5	65.6	66.2	61.3	55.4	42.8
Average	72.3	24.6	40.4	54.1	59.8	63.1	66.2	65.8	65.8	61.7	56.1	43.5

Reference Method : ANSI Standard S1.6-1984

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**Approved by**

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Supot Salamteh  
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**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236426-1

Page 1 of 1

**Sample Number** 21149034-4  
**Parameter** Octave band  
**Location** CCR  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:14 AM - 09:14 AM	69.2	19.5	36.0	39.3	48.2	57.7	62.1	63.2	64.7	59.9	46.1	43.8
09:14 AM - 10:14 AM	69.4	19.4	35.9	39.6	49.6	58.1	62.3	63.4	64.8	60.1	47.1	30.5
10:14 AM - 11:14 AM	69.8	18.2	35.6	39.6	52.5	59.1	62.8	63.7	64.9	60.3	47.1	30.5
11:14 AM - 12:14 PM	69.2	18.8	35.6	39.5	50.6	57.9	62.1	63.2	64.7	59.9	46.4	29.8
12:14 PM - 01:14 PM	69.1	20.1	35.8	39.6	49.3	57.6	61.9	63.1	64.6	59.9	46.1	29.7
01:14 PM - 02:14 PM	69.5	18.7	35.6	39.6	50.7	58.2	62.5	63.4	64.8	60.1	47.0	30.6
02:14 PM - 03:14 PM	69.2	19.7	35.7	39.5	49.0	57.6	62.2	63.3	64.7	59.9	46.1	29.7
03:14 PM - 04:14 PM	69.5	18.7	35.6	39.4	50.5	58.2	62.5	63.5	64.8	60.1	46.6	30.0
04:14 PM - 05:14 PM	69.2	19.5	35.7	39.9	49.4	57.6	62.2	63.2	64.6	59.9	46.1	29.8
05:14 PM - 06:14 PM	69.8	17.5	35.3	40.5	53.3	59.1	63.0	63.7	64.9	60.3	47.2	30.3
06:14 PM - 07:14 PM	69.1	19.6	35.5	40.1	49.7	57.5	62.0	63.1	64.6	59.9	46.2	30.0
07:14 PM - 08:14 PM	69.1	18.3	35.2	39.2	50.3	57.8	62.1	63.0	64.4	59.7	46.6	30.2
Average	69.3	19.1	35.6	39.7	50.5	58.1	62.3	63.3	64.7	60.0	46.6	34.7

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236427-1

Page 1 of 1

**Sample Number** 21149034-5  
**Parameter** Octave band  
**Location** Bagging Area  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:00 AM - 09:00 AM	77.5	19.6	40.7	53.4	60.5	64.8	67.5	69.2	71.3	72.2	68.4	59.9
09:00 AM - 10:00 AM	78.6	20.0	40.6	53.7	60.9	65.6	68.9	70.6	72.4	73.3	69.4	60.4
10:00 AM - 11:00 AM	77.6	19.3	40.5	53.4	60.7	65.5	68.4	70.3	71.5	71.4	67.6	59.9
11:00 AM - 12:00 PM	78.6	19.5	40.8	54.0	61.0	66.0	69.2	70.7	72.4	73.1	69.2	60.5
12:00 PM - 01:00 PM	78.6	20.4	40.4	53.8	61.8	66.2	69.4	70.8	72.5	72.8	68.8	60.2
01:00 PM - 02:00 PM	78.4	19.3	39.5	52.9	60.7	65.5	68.6	70.2	72.0	73.3	69.4	60.6
02:00 PM - 03:00 PM	78.0	19.8	39.6	53.4	60.7	65.9	68.9	70.5	71.8	72.0	68.3	60.4
03:00 PM - 04:00 PM	76.7	19.3	39.5	53.0	60.7	65.5	68.5	70.0	71.0	69.2	65.1	59.4
04:00 PM - 05:00 PM	79.0	20.2	39.9	53.5	61.2	66.6	70.6	72.4	73.0	71.5	68.6	63.3
05:00 PM - 06:00 PM	76.8	19.9	39.5	52.2	60.8	65.4	68.7	69.0	70.1	70.7	67.1	59.6
06:00 PM - 07:00 PM	77.8	19.2	39.8	52.9	60.1	64.8	68.1	69.8	71.6	72.5	68.6	59.6
07:00 PM - 08:00 PM	77.6	19.4	39.2	53.0	60.3	65.5	68.5	70.1	71.4	71.6	67.9	60.0
Average	78.0	19.7	40.0	53.3	60.8	65.6	68.8	70.4	71.8	72.1	68.3	60.4

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236428-1

Page 1 of 1

**Sample Number** 21149034-6  
**Parameter** Octave band  
**Location** Storage Area  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:18 AM - 09:18 AM	74.7	24.4	39.6	53.8	61.0	68.6	68.2	67.5	67.7	63.9	56.0	39.1
09:18 AM - 10:18 AM	74.5	24.6	40.2	53.9	60.4	68.3	68.1	67.3	67.5	63.9	55.5	38.9
10:18 AM - 11:18 AM	74.3	24.3	39.6	53.6	60.2	68.0	67.8	67.0	67.2	64.2	55.2	39.1
11:18 AM - 12:18 PM	75.1	24.0	39.1	53.4	60.0	67.9	67.9	70.2	67.4	64.2	55.1	39.0
12:18 PM - 01:18 PM	76.0	24.4	39.7	53.6	60.7	68.2	68.0	72.2	67.9	63.8	54.4	38.5
01:18 PM - 02:18 PM	75.0	24.2	39.4	53.5	60.4	68.0	67.2	69.8	68.0	63.8	54.4	38.3
02:18 PM - 03:18 PM	75.0	24.9	40.5	53.6	60.4	68.1	67.5	69.5	68.1	64.1	54.7	38.8
03:18 PM - 04:18 PM	75.2	24.3	40.2	53.6	60.4	68.1	67.8	70.1	68.2	63.7	54.8	38.7
04:18 PM - 05:18 PM	75.4	24.9	40.7	54.0	60.7	68.6	68.2	70.1	68.2	63.6	54.5	39.2
05:18 PM - 06:18 PM	75.4	25.2	41.1	54.1	60.8	68.8	68.3	69.9	68.3	63.4	54.2	38.4
06:18 PM - 07:18 PM	75.6	25.4	41.1	54.0	61.0	68.7	68.6	70.3	68.6	63.4	54.5	38.5
07:18 PM - 08:18 PM	75.4	23.8	39.1	53.0	60.1	67.6	67.4	71.6	67.3	63.2	53.8	37.9
Average	75.2	24.6	40.1	53.7	60.5	68.3	67.9	69.9	67.9	63.8	54.8	38.7

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149034**

Date Received : Feb 10, 2022

Date Reported : Feb 17, 2022

Report Number : 2236429-1

Page 1 of 1

**Sample Number** 21149034-7  
**Parameter** Octave band  
**Location** กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
**Measurement Date** Feb 09, 2022  
**Measurement By** Surasak Sachin

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
08:20 AM - 09:20 AM	81.5	21.5	38.5	54.5	65.8	70.4	69.4	71.3	73.8	76.8	74.9	61.9
09:20 AM - 10:20 AM	81.5	24.0	39.7	55.1	65.6	70.1	69.5	71.5	73.8	76.8	74.9	61.7
10:20 AM - 11:20 AM	81.4	23.8	39.4	55.8	64.9	69.6	69.2	71.4	73.9	76.6	74.9	61.7
11:20 AM - 12:20 PM	81.1	23.9	39.3	56.3	64.8	69.3	69.7	71.6	73.3	76.3	74.5	61.1
12:20 PM - 01:20 PM	81.2	24.3	39.8	56.2	65.2	70.0	69.9	72.0	73.7	76.2	74.3	61.1
01:20 PM - 02:20 PM	81.2	24.2	39.6	56.6	64.9	69.9	69.9	72.2	73.7	76.1	74.2	60.9
02:20 PM - 03:20 PM	81.3	25.5	40.4	56.5	64.8	69.8	70.5	72.1	74.1	76.1	74.1	60.9
03:20 PM - 04:20 PM	81.7	24.3	40.0	56.4	65.2	70.0	71.1	72.5	75.3	76.2	74.1	61.0
04:20 PM - 05:20 PM	81.5	24.0	39.8	55.8	65.1	69.9	71.5	72.3	74.8	76.0	74.0	61.0
05:20 PM - 06:20 PM	81.4	23.3	39.2	55.4	65.0	70.0	71.5	72.3	74.5	76.0	73.9	61.0
06:20 PM - 07:20 PM	81.4	23.4	39.1	55.3	65.2	70.0	71.1	72.4	74.6	76.0	73.9	61.0
07:20 PM - 08:20 PM	81.6	24.7	40.2	56.6	65.6	70.4	70.3	72.4	74.1	76.6	74.7	61.5
Average	81.4	24.0	39.6	55.9	65.2	70.0	70.4	72.0	74.2	76.3	74.4	61.2

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315149-1

Page 1 of 1

**Sample Number** 2250416-1  
**Parameter** Octave band  
**Location** ภาชนะ Compressor House  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	80.8	26.9	44.9	58.8	67.2	74.4	73.9	74.2	73.6	69.8	63.4	48.3
10:00 AM - 11:00 AM	80.8	26.8	44.9	58.7	67.0	74.3	74.0	74.3	73.5	69.6	63.3	48.5
11:00 AM - 12:00 PM	81.1	26.7	44.9	58.6	67.3	74.2	75.2	74.5	73.6	69.8	63.2	48.3
12:00 PM - 01:00 PM	81.1	27.4	45.2	58.9	67.5	74.6	74.5	74.7	73.9	70.1	63.4	48.5
01:00 PM - 02:00 PM	81.2	28.2	45.6	59.0	67.7	74.5	74.9	74.7	74.0	70.2	63.4	48.6
02:00 PM - 03:00 PM	81.3	27.9	45.2	58.8	67.8	74.7	75.4	74.5	73.8	70.1	63.4	49.3
03:00 PM - 04:00 PM	81.9	27.3	45.0	58.9	67.8	74.8	77.0	75.0	73.9	70.1	63.6	50.2
04:00 PM - 05:00 PM	81.9	26.9	45.1	58.9	68.1	75.0	76.6	75.0	74.0	70.3	63.6	50.4
05:00 PM - 06:00 PM	82.0	26.8	45.1	58.9	68.2	74.9	76.8	75.1	74.1	70.3	63.6	50.2
06:00 PM - 07:00 PM	81.8	27.2	44.9	58.8	67.7	74.7	76.9	74.9	73.8	70.0	63.5	50.1
07:00 PM - 08:00 PM	81.7	28.3	45.6	59.2	68.2	75.1	75.8	74.9	74.2	70.5	63.8	49.7
08:00 PM - 09:00 PM	82.0	27.0	45.2	59.0	68.2	75.1	76.7	75.1	74.1	70.4	63.7	50.5
Average	81.5	27.3	45.1	58.9	67.7	74.7	75.8	74.8	73.9	70.1	63.5	49.5

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315150-1

Page 1 of 1

**Sample Number** 2250416-2  
**Parameter** Octave band  
**Location** Degassing Hopper  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	82.1	25.0	41.4	56.0	63.7	67.0	72.3	75.2	78.8	74.4	63.6	43.7
10:00 AM - 11:00 AM	81.5	26.7	42.7	57.6	66.7	69.9	73.0	75.3	77.1	72.7	65.5	50.3
11:00 AM - 12:00 PM	80.9	27.5	42.4	57.5	67.2	71.0	73.2	75.3	75.6	70.5	63.8	48.7
12:00 PM - 01:00 PM	81.9	28.1	41.8	57.7	66.6	69.7	72.6	75.4	77.7	73.8	66.7	51.2
01:00 PM - 02:00 PM	82.2	28.9	42.1	57.4	66.5	68.9	72.1	74.8	78.7	74.3	66.6	50.5
02:00 PM - 03:00 PM	82.3	29.7	43.2	57.6	66.7	69.1	73.2	75.5	78.2	74.5	66.9	51.0
03:00 PM - 04:00 PM	82.2	29.1	42.3	57.2	65.9	69.1	72.5	74.9	78.5	74.6	66.4	50.2
04:00 PM - 05:00 PM	82.6	28.5	41.4	57.0	66.4	69.7	72.8	75.0	79.2	75.0	66.0	49.5
05:00 PM - 06:00 PM	82.7	27.3	42.1	56.8	63.5	69.8	74.3	74.8	79.2	74.6	64.4	46.8
06:00 PM - 07:00 PM	82.2	26.8	41.6	56.3	63.0	69.3	73.8	74.3	78.7	74.1	63.9	46.3
07:00 PM - 08:00 PM	82.7	28.6	41.5	57.1	66.5	69.8	72.9	75.1	79.3	75.1	66.1	49.6
08:00 PM - 09:00 PM	82.4	29.3	42.5	57.4	66.1	69.3	72.7	75.1	78.7	74.8	66.6	50.4
Average	82.2	28.1	42.1	57.2	65.9	69.5	73.0	75.1	78.4	74.2	65.7	49.5

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315151-1

Page 1 of 1

**Sample Number** 2250416-3  
**Parameter** Octave band  
**Location** Recycle Gas Cooler  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	71.2	24.8	40.0	53.4	58.5	62.5	63.4	65.2	65.0	60.8	56.3	43.9
10:00 AM - 11:00 AM	71.2	24.8	40.1	53.5	58.7	62.5	63.6	65.3	65.2	60.7	56.3	43.9
11:00 AM - 12:00 PM	71.8	23.8	38.7	52.6	58.2	62.4	64.9	65.9	66.2	60.8	56.2	43.8
12:00 PM - 01:00 PM	71.7	25.1	40.3	52.6	58.2	62.5	65.4	66.3	64.4	61.0	56.2	43.8
01:00 PM - 02:00 PM	71.1	27.6	43.4	53.6	58.9	62.8	64.6	64.8	63.3	61.0	56.4	43.9
02:00 PM - 03:00 PM	70.3	27.8	43.5	53.4	58.8	62.8	63.4	63.3	62.3	61.0	56.4	44.0
03:00 PM - 04:00 PM	71.0	26.3	41.5	53.6	58.7	63.4	64.0	64.8	63.3	61.5	56.7	44.4
04:00 PM - 05:00 PM	70.6	24.6	39.4	53.1	58.3	63.5	63.7	63.6	62.6	61.4	56.7	44.5
05:00 PM - 06:00 PM	70.8	24.4	39.5	53.5	58.4	63.7	63.7	63.9	62.9	61.9	56.9	44.7
06:00 PM - 07:00 PM	70.7	24.7	39.5	53.2	58.4	63.6	63.8	63.7	62.7	61.5	56.8	44.6
07:00 PM - 08:00 PM	70.8	26.1	41.3	53.4	58.5	63.2	63.8	64.6	63.1	61.3	56.5	44.2
08:00 PM - 09:00 PM	70.5	28.0	43.7	53.6	59.0	63.0	63.6	63.5	62.5	61.2	56.6	44.2
Average	71.0	25.9	41.3	53.3	58.6	63.0	64.0	64.7	63.8	61.2	56.5	44.2

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315152-1

Page 1 of 1

**Sample Number** 2250416-4  
**Parameter** Octave band  
**Location** CCR  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	70.0	13.2	29.6	38.8	56.0	59.8	63.7	64.3	64.4	59.4	46.5	43.9
10:00 AM - 11:00 AM	70.0	14.0	29.7	38.8	55.9	59.7	63.8	64.2	64.3	59.4	46.4	28.8
11:00 AM - 12:00 PM	70.0	12.7	29.7	38.7	55.8	59.7	63.7	64.2	64.4	59.4	46.4	29.0
12:00 PM - 01:00 PM	70.0	14.7	29.8	38.9	55.8	59.6	63.6	64.2	64.5	59.5	46.4	29.0
01:00 PM - 02:00 PM	70.1	12.8	29.7	38.7	55.9	59.8	63.8	64.3	64.4	59.5	46.4	29.0
02:00 PM - 03:00 PM	69.7	13.2	29.6	38.5	55.0	59.1	63.4	64.0	64.3	59.3	46.3	29.1
03:00 PM - 04:00 PM	70.0	12.8	29.6	38.7	55.7	59.7	63.7	64.3	64.4	59.5	46.5	28.8
04:00 PM - 05:00 PM	69.7	13.8	29.6	38.6	55.3	59.2	63.3	64.0	64.2	59.3	46.2	28.8
05:00 PM - 06:00 PM	70.0	13.5	29.6	38.8	55.8	59.7	63.7	64.2	64.4	59.4	46.4	28.8
06:00 PM - 07:00 PM	70.0	12.7	29.6	38.6	55.8	59.7	63.7	64.2	64.3	59.4	46.3	28.9
07:00 PM - 08:00 PM	69.8	13.8	29.5	38.6	55.7	59.5	63.6	64.0	64.1	59.2	46.2	28.6
08:00 PM - 09:00 PM	69.9	14.6	29.7	38.8	55.7	59.5	63.5	64.1	64.4	59.4	46.3	28.9
Average	69.9	13.5	29.6	38.7	55.7	59.6	63.6	64.2	64.3	59.4	46.4	34.4

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315153-1

Page 1 of 1

**Sample Number** 2250416-5  
**Parameter** Octave band  
**Location** Bagging Area  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	77.7	20.2	36.2	47.9	58.2	65.2	68.5	70.7	72.0	71.8	67.1	54.7
10:00 AM - 11:00 AM	79.3	22.0	37.3	48.9	59.0	66.3	69.9	72.2	73.4	73.7	68.9	56.5
11:00 AM - 12:00 PM	81.3	22.6	38.3	51.0	60.5	67.6	71.4	74.3	75.2	75.8	71.5	59.8
12:00 PM - 01:00 PM	80.8	23.4	38.6	50.6	60.1	67.4	71.1	73.9	74.9	75.2	70.9	59.3
01:00 PM - 02:00 PM	81.3	23.7	39.0	51.0	60.6	67.6	71.5	74.4	75.2	75.7	71.5	59.9
02:00 PM - 03:00 PM	80.4	24.3	38.0	50.4	60.1	66.9	70.7	73.4	74.6	74.7	70.4	58.8
03:00 PM - 04:00 PM	80.0	24.0	37.6	50.3	59.9	66.6	70.3	72.9	74.0	74.6	70.2	58.6
04:00 PM - 05:00 PM	78.6	23.0	37.0	49.6	59.1	65.4	69.0	71.5	72.9	72.6	68.5	58.3
05:00 PM - 06:00 PM	76.5	20.9	34.9	47.5	57.0	63.3	66.9	69.4	70.8	70.5	66.4	56.2
06:00 PM - 07:00 PM	78.5	21.1	36.3	48.3	57.8	65.1	68.8	71.6	72.6	72.9	68.6	57.0
07:00 PM - 08:00 PM	79.1	23.5	37.5	50.1	59.6	65.9	69.5	72.0	73.4	73.1	69.0	58.8
08:00 PM - 09:00 PM	79.7	23.7	37.3	50.0	59.6	66.3	70.0	72.6	73.7	74.3	69.9	58.3
Average	79.6	22.9	37.5	49.8	59.4	66.3	70.0	72.6	73.7	74.0	69.7	58.3

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315154-1

Page 1 of 1

**Sample Number** 2250416-6  
**Parameter** Octave band  
**Location** Storage Area  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	74.6	24.4	40.0	53.0	60.4	67.1	66.4	67.9	68.4	66.0	58.4	42.1
10:00 AM - 11:00 AM	74.6	24.4	40.0	53.3	60.6	67.2	66.4	68.0	68.5	65.8	58.3	42.4
11:00 AM - 12:00 PM	75.5	23.7	38.9	52.6	60.8	66.7	66.8	70.9	68.8	66.0	58.4	42.3
12:00 PM - 01:00 PM	76.2	24.5	40.2	52.8	60.8	66.7	66.9	72.9	68.2	66.1	58.4	42.2
01:00 PM - 02:00 PM	75.1	26.2	43.0	53.8	61.0	67.2	68.1	69.2	67.8	66.1	58.4	42.2
02:00 PM - 03:00 PM	74.3	26.4	43.1	53.9	60.8	67.2	67.1	66.7	67.4	65.8	57.9	41.9
03:00 PM - 04:00 PM	74.4	24.9	40.9	53.4	60.8	67.6	66.8	67.3	67.6	65.5	57.8	42.0
04:00 PM - 05:00 PM	74.4	23.8	38.7	53.0	60.8	67.8	67.1	67.0	67.5	65.8	57.8	42.1
05:00 PM - 06:00 PM	74.5	23.7	38.8	53.0	60.7	67.6	67.1	67.1	67.8	66.0	58.1	42.5
06:00 PM - 07:00 PM	74.5	23.9	38.8	53.1	60.9	67.9	67.2	67.1	67.6	65.9	57.9	42.2
07:00 PM - 08:00 PM	74.4	26.5	43.2	54.0	60.9	67.3	67.2	66.8	67.5	65.9	58.0	42.0
08:00 PM - 09:00 PM	74.9	26.0	42.8	53.6	60.8	67.0	67.9	69.0	67.6	65.9	58.2	42.0
Average	74.8	25.0	41.1	53.3	60.8	67.3	67.1	68.8	67.9	65.9	58.1	42.2

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250416**

Date Received : May 10, 2022

Date Reported : May 17, 2022

Report Number : 2315155-1

Page 1 of 1

**Sample Number** 2250416-7  
**Parameter** Octave band  
**Location** กึ่งกลางรั้วทิศเหนือระหว่าง LDPE & HDPE  
**Measurement Date** May 09, 2022  
**Measurement By** Thitipong Buadaeng

Time	Result (dB(A))											
	Leq	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	16 kHz
09:00 AM - 10:00 AM	81.7	25.6	40.7	56.8	64.5	70.9	70.5	73.8	73.5	76.2	74.9	64.3
10:00 AM - 11:00 AM	81.7	25.0	40.2	57.2	64.7	71.5	70.4	74.1	73.1	76.1	74.8	64.2
11:00 AM - 12:00 PM	81.7	24.5	39.7	56.8	64.7	71.2	70.5	73.7	73.0	76.2	74.9	64.3
12:00 PM - 01:00 PM	81.8	26.6	41.0	56.8	64.5	70.9	70.3	73.8	73.6	76.4	75.0	64.5
01:00 PM - 02:00 PM	81.9	28.4	43.1	57.5	64.7	71.4	70.4	73.6	73.6	76.6	75.2	64.7
02:00 PM - 03:00 PM	82.0	27.3	42.2	57.5	64.2	71.4	70.4	73.3	73.7	76.7	75.4	64.9
03:00 PM - 04:00 PM	82.1	26.2	40.6	57.4	64.4	71.4	70.8	72.8	73.9	76.9	75.5	65.2
04:00 PM - 05:00 PM	82.1	25.0	39.8	56.8	64.7	71.6	70.8	72.3	74.1	77.0	75.5	65.4
05:00 PM - 06:00 PM	82.2	24.4	39.9	57.0	64.8	72.0	70.9	72.5	74.0	77.0	75.5	65.5
06:00 PM - 07:00 PM	82.0	24.9	39.7	56.7	64.6	71.5	70.7	72.2	74.0	76.9	75.4	65.3
07:00 PM - 08:00 PM	82.1	27.4	42.3	57.6	64.3	71.5	70.5	73.4	73.8	76.8	75.5	65.0
08:00 PM - 09:00 PM	81.9	26.7	41.1	56.9	64.6	71.0	70.4	73.9	73.7	76.5	75.1	64.6
Average	81.9	26.2	41.0	57.1	64.6	71.4	70.6	73.3	73.7	76.6	75.2	64.8

Reference Method : ANSI Standard S1.6-1984

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)

**Approved by**

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 21149031**

Date Received : Feb 10, 2022

Date Reported : Feb 14, 2022

Report Number : 2183903-1

Page 1 of 2

**Sample Number** 21149031-1  
**Sampled Date** Feb 09, 2022  
**Sample Description** Noise Dose  
**Location** พนักงาน Operator ของ LDPE  
**Personal Sampling** คุณเกษม จันทร์ดี  
**Date Analysis Commenced** Feb 11, 2022

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	25.7	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	24.0	No Standard	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	77.1	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	78.8	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)  
\* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

**Sampled By :** Natthapon Jiengwareewong

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 :** Thai Polyethylene Co., Ltd.

10, Map Ta Phut Industrial Estate I-1 Road, Map Ta Phut, Muang District, Rayong  
Thailand 21150

**P/O :**

**Project Name :** Environmental Monitoring

**Project Location :** LDPE

**Lot ID: 2250412**

Date Received : May 10, 2022

Date Reported : May 13, 2022

Report Number : 2296012-1

Page 2 of 2

**Sample Number** 2250412-2  
**Sampled Date** May 09, 2022  
**Sample Description** Noise Dose  
**Location** บริเวณ Compressor House  
**Personal Sampling** คุณวิมล หัตถวงษ์  
**Date Analysis Commenced** May 13, 2022

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
<b>Air Testing</b>									
Noise Dose (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	%	-	-	66.1		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
Noise Dose (8 hrs.)	08:00 AM - 08:00 PM	%	-	1	61.7		MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (12 hrs.) (Calculated from Lavg)	08:00 AM - 08:00 PM	dB(A)	-	-	81.2	83*	MOL, Department Labour Protection and Welfare (B.E.2561)	MOL	Bangkok
TWA (8 hrs.)	08:00 AM - 08:00 PM	dB(A)	-	-	82.9	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)  
\* MOL: Recommended guideline limit for 12 working hours should not be over 83 dB(A)

**Sampled By :** Norranon Tathongkham

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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