ภาคผนวก ค

ใบรับรองผลการตรวจวัดคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการตรวจวัดสารโพรพิลีนออกไซด์

บริเวณพื้นที่ถังปฏิกิริยา

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 25114106
Date Received : Jan 08, 2026
Date Reported : Jan 14, 2026
Report Number : 3476749-1

Sample Number	25114106-1
Sampled Date	Jan 08, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	Jan 09, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	763 mmHg
Atmospheric Temperature	29.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Apichart Wilars

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

Approved by Saranya C.
Saranya Chalermthamrong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 265908
Date Received : Feb 04, 2026
Date Reported : Feb 10, 2026
Report Number : 3491589-1

Sample Number	265908-1
Sampled Date	Feb 03, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	Feb 05, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	758 mmHg
Atmospheric Temperature	31.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	02:00 PM - 04:00 PM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Tarin Octjinda

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

Approved by Orawan R.
Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong
Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617359
Date Received : Mar 05, 2026
Date Reported : Mar 12, 2026
Report Number : 3514457-1

Sample Number	2617359-1
Sampled Date	Mar 05, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	Mar 06, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	30.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	10:40 AM - 12:40 PM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Tarin Octjinda

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

Approved by Orawan R.
Orawan Rakyong
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong
Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2625543
Date Received : Apr 02, 2026
Date Reported : Apr 10, 2026
Report Number : 3534206-1

Sample Number	2625543-1
Sampled Date	Apr 02, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	Apr 03, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	31.6 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Warawut Pubpa

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

Approved by
Tanyatorn Mongkonjirawut
Supervisor

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong
Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2635233
Date Received : May 11, 2026
Date Reported : May 19, 2026
Report Number : 3558201-1

Sample Number	2635233-1
Sampled Date	May 08, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	May 14, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	755 mmHg
Atmospheric Temperature	31.2 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	09:30 AM - 11:30 AM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Arnon Phoprathong

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

Approved by Orawan R.
Orawan Rakyong
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong
Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2645065
Date Received : Jun 08, 2026
Date Reported : Jun 15, 2026
Report Number : 3578998-1

Sample Number	2645065-1
Sampled Date	Jun 08, 2026
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Date Analysis Commenced	Jun 10, 2026
Condition of Sample	Drawn into one sorbent tube, refrigerated
Barometric Pressure	754 mmHg
Atmospheric Temperature	32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Propylene Oxide	10:00 AM - 12:00 PM	ppm	-	0.10	<0.10	100	NIOSH (1994), 1612	MOL	Bangkok

Guideline :
MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)
Sampled By : Sathapron Thakarw

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

Approved by Orawan R.
Orawan Rakyong
Scientist (3)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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ภาคผนวก ค-2

ผลการตรวจวัดระดับเสียงโดยทั่วไป

บริเวณชุมชนที่อยู่ใกล้เคียงพื้นที่โครงการ

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519078-1

Sample Number 2613778-1
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date Feb 16 - Feb 17, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.6	71.9	44.8
11:00 AM - 12:00 PM	52.1	76.7	44.4
12:00 PM - 01:00 PM	51.6	70.2	44.0
01:00 PM - 02:00 PM	51.8	74.3	43.9
02:00 PM - 03:00 PM	52.9	80.8	44.1
03:00 PM - 04:00 PM	52.7	75.7	43.6
04:00 PM - 05:00 PM	54.0	73.6	44.1
05:00 PM - 06:00 PM	53.8	83.2	44.2
06:00 PM - 07:00 PM	54.4	78.7	47.0
07:00 PM - 08:00 PM	54.0	85.9	45.8
08:00 PM - 09:00 PM	48.0	65.8	45.2
09:00 PM - 10:00 PM	49.2	70.7	46.3
10:00 PM - 11:00 PM	48.3	73.2	45.4
11:00 PM - 12:00 AM	48.3	74.1	45.6
12:00 AM - 01:00 AM	46.7	69.7	43.9
01:00 AM - 02:00 AM	47.5	63.5	45.3
02:00 AM - 03:00 AM	47.6	64.8	46.0
03:00 AM - 04:00 AM	47.2	65.2	45.2
04:00 AM - 05:00 AM	47.6	67.7	41.4
05:00 AM - 06:00 AM	54.4	78.0	44.7
06:00 AM - 07:00 AM	57.2	79.0	49.9
07:00 AM - 08:00 AM	56.9	77.5	48.1
08:00 AM - 09:00 AM	52.3	78.3	46.7
09:00 AM - 10:00 AM	52.6	73.3	45.3
Leq Average 24 hrs. (dB(A))	52.5		
Lmax (dB(A))		85.9	
L90 (dB(A))			45.2
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519079-1

Sample Number 2613778-2
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date Feb 17 - Feb 18, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	53.5	81.4	43.3
11:00 AM - 12:00 PM	53.7	85.0	44.3
12:00 PM - 01:00 PM	52.1	73.2	44.4
01:00 PM - 02:00 PM	51.0	76.2	44.9
02:00 PM - 03:00 PM	50.3	75.3	43.7
03:00 PM - 04:00 PM	53.6	82.5	42.6
04:00 PM - 05:00 PM	52.6	69.2	45.5
05:00 PM - 06:00 PM	53.2	81.7	45.3
06:00 PM - 07:00 PM	53.9	76.3	47.2
07:00 PM - 08:00 PM	53.8	84.7	46.1
08:00 PM - 09:00 PM	48.8	71.9	45.4
09:00 PM - 10:00 PM	48.1	72.6	44.8
10:00 PM - 11:00 PM	47.8	70.2	45.3
11:00 PM - 12:00 AM	48.7	74.2	45.6
12:00 AM - 01:00 AM	50.0	73.4	46.8
01:00 AM - 02:00 AM	48.8	66.9	47.1
02:00 AM - 03:00 AM	48.9	70.8	47.2
03:00 AM - 04:00 AM	48.9	64.7	47.1
04:00 AM - 05:00 AM	49.6	68.1	45.7
05:00 AM - 06:00 AM	52.6	70.3	42.1
06:00 AM - 07:00 AM	56.9	80.7	47.3
07:00 AM - 08:00 AM	57.2	75.5	47.8
08:00 AM - 09:00 AM	51.9	69.5	46.7
09:00 AM - 10:00 AM	53.6	84.9	45.3
Leq Average 24 hrs. (dB(A))	52.5		
Lmax (dB(A))		85.0	
L90 (dB(A))			45.4
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519080-1

Sample Number 2613778-3
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date Feb 18 - Feb 19, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.9	69.5	43.3
11:00 AM - 12:00 PM	51.9	74.4	43.7
12:00 PM - 01:00 PM	52.9	74.7	45.4
01:00 PM - 02:00 PM	48.9	68.6	43.6
02:00 PM - 03:00 PM	48.8	71.7	43.9
03:00 PM - 04:00 PM	51.3	77.2	42.9
04:00 PM - 05:00 PM	54.0	76.2	43.7
05:00 PM - 06:00 PM	52.5	69.8	44.2
06:00 PM - 07:00 PM	56.1	85.3	45.4
07:00 PM - 08:00 PM	51.6	70.3	47.4
08:00 PM - 09:00 PM	49.5	65.8	46.6
09:00 PM - 10:00 PM	49.5	70.3	46.1
10:00 PM - 11:00 PM	49.9	75.5	44.8
11:00 PM - 12:00 AM	49.2	75.2	41.5
12:00 AM - 01:00 AM	44.0	65.6	41.5
01:00 AM - 02:00 AM	43.5	67.8	41.3
02:00 AM - 03:00 AM	44.1	71.3	40.5
03:00 AM - 04:00 AM	43.2	61.9	40.5
04:00 AM - 05:00 AM	46.6	67.9	40.8
05:00 AM - 06:00 AM	52.2	77.9	44.6
06:00 AM - 07:00 AM	57.3	82.2	50.1
07:00 AM - 08:00 AM	56.4	76.9	46.0
08:00 AM - 09:00 AM	50.7	68.9	43.0
09:00 AM - 10:00 AM	51.8	76.4	45.0
Leq Average 24 hrs. (dB(A))	51.8		
Lmax (dB(A))		85.3	
L90 (dB(A))			43.7
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519081-1

Sample Number 2613778-4
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date Feb 19 - Feb 20, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.4	75.4	46.4
11:00 AM - 12:00 PM	54.3	76.8	48.6
12:00 PM - 01:00 PM	52.7	71.4	46.9
01:00 PM - 02:00 PM	50.4	70.2	46.4
02:00 PM - 03:00 PM	50.4	72.4	45.1
03:00 PM - 04:00 PM	51.0	67.4	43.6
04:00 PM - 05:00 PM	54.5	77.5	44.1
05:00 PM - 06:00 PM	54.1	79.0	43.3
06:00 PM - 07:00 PM	55.1	86.2	45.4
07:00 PM - 08:00 PM	53.0	78.1	46.1
08:00 PM - 09:00 PM	53.2	71.5	49.1
09:00 PM - 10:00 PM	51.6	66.1	47.4
10:00 PM - 11:00 PM	49.6	76.1	46.2
11:00 PM - 12:00 AM	45.8	64.7	42.9
12:00 AM - 01:00 AM	46.8	65.5	44.6
01:00 AM - 02:00 AM	45.7	67.1	43.3
02:00 AM - 03:00 AM	46.1	68.5	43.6
03:00 AM - 04:00 AM	45.8	66.1	43.0
04:00 AM - 05:00 AM	50.8	77.0	45.8
05:00 AM - 06:00 AM	55.8	86.5	49.0
06:00 AM - 07:00 AM	57.9	82.6	51.7
07:00 AM - 08:00 AM	56.4	82.2	48.2
08:00 AM - 09:00 AM	51.3	68.5	46.9
09:00 AM - 10:00 AM	53.1	73.6	47.5
Leq Average 24 hrs. (dB(A))	52.8		
Lmax (dB(A))		86.5	
L90 (dB(A))			46.1
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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

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RIGHT SOLUTIONS RIGHT PARTNER

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519082-1

Sample Number	2613778-5
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date	Feb 20 - Feb 21, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.9	70.8	48.6
11:00 AM - 12:00 PM	53.1	73.6	47.6
12:00 PM - 01:00 PM	52.6	76.6	47.5
01:00 PM - 02:00 PM	52.4	70.0	47.8
02:00 PM - 03:00 PM	53.3	73.8	45.2
03:00 PM - 04:00 PM	54.5	76.8	45.0
04:00 PM - 05:00 PM	53.3	76.1	44.3
05:00 PM - 06:00 PM	61.5	88.2	44.4
06:00 PM - 07:00 PM	51.7	75.8	45.1
07:00 PM - 08:00 PM	50.4	72.1	45.2
08:00 PM - 09:00 PM	48.4	68.4	45.5
09:00 PM - 10:00 PM	49.8	73.0	47.1
10:00 PM - 11:00 PM	48.5	63.7	46.8
11:00 PM - 12:00 AM	48.8	73.7	44.7
12:00 AM - 01:00 AM	47.6	70.3	45.5
01:00 AM - 02:00 AM	48.9	65.0	47.7
02:00 AM - 03:00 AM	48.5	63.3	47.2
03:00 AM - 04:00 AM	49.4	66.8	47.7
04:00 AM - 05:00 AM	51.7	68.0	47.6
05:00 AM - 06:00 AM	56.5	78.0	49.8
06:00 AM - 07:00 AM	57.8	82.6	45.4
07:00 AM - 08:00 AM	53.5	81.2	41.4
08:00 AM - 09:00 AM	51.6	79.8	41.1
09:00 AM - 10:00 AM	50.6	71.1	43.4
Leq Average 24 hrs. (dB(A))	53.5		
Lmax (dB(A))		88.2	
L90 (dB(A))			45.5
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519083-1

Sample Number	2613778-6
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date	Feb 21 - Feb 22, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.8	75.5	44.2
11:00 AM - 12:00 PM	50.7	71.4	43.2
12:00 PM - 01:00 PM	52.4	76.7	44.2
01:00 PM - 02:00 PM	59.3	95.2	44.3
02:00 PM - 03:00 PM	52.4	73.6	43.9
03:00 PM - 04:00 PM	53.5	75.2	44.2
04:00 PM - 05:00 PM	54.3	81.2	44.9
05:00 PM - 06:00 PM	54.0	77.9	45.2
06:00 PM - 07:00 PM	54.1	85.8	45.1
07:00 PM - 08:00 PM	48.0	67.0	44.4
08:00 PM - 09:00 PM	48.8	75.6	45.3
09:00 PM - 10:00 PM	48.8	70.4	45.3
10:00 PM - 11:00 PM	49.9	72.2	44.9
11:00 PM - 12:00 AM	49.7	71.5	45.1
12:00 AM - 01:00 AM	47.7	66.6	44.5
01:00 AM - 02:00 AM	46.5	59.9	44.6
02:00 AM - 03:00 AM	45.3	62.4	43.9
03:00 AM - 04:00 AM	48.3	71.0	43.5
04:00 AM - 05:00 AM	50.8	67.3	44.5
05:00 AM - 06:00 AM	55.6	76.8	46.3
06:00 AM - 07:00 AM	55.0	78.8	44.7
07:00 AM - 08:00 AM	53.1	72.1	44.3
08:00 AM - 09:00 AM	49.8	76.3	43.8
09:00 AM - 10:00 AM	49.4	75.6	44.2
Leq Average 24 hrs. (dB(A))	52.5		
Lmax (dB(A))		95.2	
L90 (dB(A))			44.4
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519084-1

Sample Number	2613778-7
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านประชุมมิตร (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0726338, 1405748)
Measurement Date	Feb 22 - Feb 23, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	74.2	44.0
11:00 AM - 12:00 PM	50.4	72.0	44.5
12:00 PM - 01:00 PM	51.6	73.8	44.9
01:00 PM - 02:00 PM	50.5	72.3	45.2
02:00 PM - 03:00 PM	51.4	85.6	45.4
03:00 PM - 04:00 PM	51.2	75.8	45.4
04:00 PM - 05:00 PM	51.7	70.2	46.4
05:00 PM - 06:00 PM	57.4	85.9	48.2
06:00 PM - 07:00 PM	53.4	76.7	48.7
07:00 PM - 08:00 PM	49.1	67.0	46.9
08:00 PM - 09:00 PM	48.2	64.3	46.5
09:00 PM - 10:00 PM	48.5	66.5	46.2
10:00 PM - 11:00 PM	47.3	71.7	44.5
11:00 PM - 12:00 AM	47.2	65.4	44.0
12:00 AM - 01:00 AM	48.0	66.1	43.1
01:00 AM - 02:00 AM	44.1	64.5	41.7
02:00 AM - 03:00 AM	45.2	62.9	39.8
03:00 AM - 04:00 AM	47.4	68.5	43.2
04:00 AM - 05:00 AM	51.2	72.5	46.1
05:00 AM - 06:00 AM	57.5	89.2	50.7
06:00 AM - 07:00 AM	60.9	89.2	50.4
07:00 AM - 08:00 AM	53.9	75.9	47.9
08:00 AM - 09:00 AM	51.0	70.0	47.5
09:00 AM - 10:00 AM	51.6	69.5	47.1
Leq Average 24 hrs. (dB(A))	52.8		
Lmax (dB(A))		89.2	
L90 (dB(A))			45.4
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519085-1

Page 1 of 1

Sample Number	2613778-8
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date	Feb 16 - Feb 17, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.4	86.0	46.9
11:00 AM - 12:00 PM	59.9	83.4	47.0
12:00 PM - 01:00 PM	59.5	83.9	47.1
01:00 PM - 02:00 PM	57.2	83.5	47.1
02:00 PM - 03:00 PM	57.3	86.0	46.7
03:00 PM - 04:00 PM	60.6	84.2	47.1
04:00 PM - 05:00 PM	53.1	75.9	46.7
05:00 PM - 06:00 PM	58.5	84.6	47.1
06:00 PM - 07:00 PM	51.7	74.5	47.9
07:00 PM - 08:00 PM	48.3	60.1	47.6
08:00 PM - 09:00 PM	48.2	59.3	47.5
09:00 PM - 10:00 PM	48.4	60.2	47.7
10:00 PM - 11:00 PM	47.5	56.5	46.9
11:00 PM - 12:00 AM	48.2	66.3	47.0
12:00 AM - 01:00 AM	49.0	75.2	46.7
01:00 AM - 02:00 AM	52.2	77.6	46.9
02:00 AM - 03:00 AM	46.6	51.3	46.2
03:00 AM - 04:00 AM	49.2	69.5	46.7
04:00 AM - 05:00 AM	62.4	84.8	47.2
05:00 AM - 06:00 AM	62.0	85.2	47.0
06:00 AM - 07:00 AM	65.2	87.1	49.0
07:00 AM - 08:00 AM	64.3	86.2	48.8
08:00 AM - 09:00 AM	62.3	85.1	47.4
09:00 AM - 10:00 AM	63.1	84.3	46.9
Leq Average 24 hrs. (dB(A))	59.1		
Lmax (dB(A))		87.1	
L90 (dB(A))			47.0
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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8525-41/ EMAIL S:\Reports_Air Noise.rpt (11:21AM)

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519086-1

Sample Number 2613778-9
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date Feb 17 - Feb 18, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	63.0	84.1	46.6
11:00 AM - 12:00 PM	56.6	83.9	46.6
12:00 PM - 01:00 PM	57.7	84.2	47.1
01:00 PM - 02:00 PM	55.3	81.6	47.3
02:00 PM - 03:00 PM	56.4	81.3	46.7
03:00 PM - 04:00 PM	61.7	84.6	46.9
04:00 PM - 05:00 PM	60.0	83.6	47.2
05:00 PM - 06:00 PM	54.3	82.9	47.0
06:00 PM - 07:00 PM	49.2	73.1	47.3
07:00 PM - 08:00 PM	52.0	76.5	47.2
08:00 PM - 09:00 PM	49.2	75.6	47.1
09:00 PM - 10:00 PM	47.3	55.9	46.7
10:00 PM - 11:00 PM	47.1	52.4	46.7
11:00 PM - 12:00 AM	47.1	60.0	46.7
12:00 AM - 01:00 AM	51.1	74.9	46.6
01:00 AM - 02:00 AM	47.8	65.4	46.9
02:00 AM - 03:00 AM	47.3	58.8	46.7
03:00 AM - 04:00 AM	47.8	67.2	47.1
04:00 AM - 05:00 AM	58.7	83.8	46.8
05:00 AM - 06:00 AM	62.0	84.2	47.4
06:00 AM - 07:00 AM	65.3	86.8	50.2
07:00 AM - 08:00 AM	63.1	85.0	50.5
08:00 AM - 09:00 AM	61.4	86.1	50.3
09:00 AM - 10:00 AM	61.6	85.5	49.6
Leq Average 24 hrs. (dB(A))	58.7		
Lmax (dB(A))		86.8	
L90 (dB(A))			47.0
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519087-1

Sample Number 2613778-10
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date Feb 18 - Feb 19, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.5	83.4	47.0
11:00 AM - 12:00 PM	60.8	84.9	46.8
12:00 PM - 01:00 PM	56.0	83.1	46.6
01:00 PM - 02:00 PM	54.7	82.1	47.0
02:00 PM - 03:00 PM	60.4	85.1	47.0
03:00 PM - 04:00 PM	55.9	82.5	46.5
04:00 PM - 05:00 PM	60.1	84.6	46.7
05:00 PM - 06:00 PM	57.2	88.0	47.0
06:00 PM - 07:00 PM	52.3	75.3	48.2
07:00 PM - 08:00 PM	49.0	65.2	47.7
08:00 PM - 09:00 PM	49.5	61.2	48.9
09:00 PM - 10:00 PM	49.5	59.9	48.9
10:00 PM - 11:00 PM	49.9	56.0	49.3
11:00 PM - 12:00 AM	52.9	75.0	49.4
12:00 AM - 01:00 AM	50.8	58.8	50.0
01:00 AM - 02:00 AM	50.0	64.0	49.2
02:00 AM - 03:00 AM	49.2	58.6	48.3
03:00 AM - 04:00 AM	49.5	52.1	48.9
04:00 AM - 05:00 AM	60.8	85.8	49.5
05:00 AM - 06:00 AM	64.9	98.2	49.8
06:00 AM - 07:00 AM	67.0	86.3	50.7
07:00 AM - 08:00 AM	63.6	85.6	50.0
08:00 AM - 09:00 AM	57.6	85.8	48.8
09:00 AM - 10:00 AM	62.0	90.9	48.9
Leq Average 24 hrs. (dB(A))	59.3		
Lmax (dB(A))		98.2	
L90 (dB(A))			48.8
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519088-1

Sample Number	2613778-11
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date	Feb 19 - Feb 20, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.1	83.5	47.0
11:00 AM - 12:00 PM	52.8	72.7	47.2
12:00 PM - 01:00 PM	59.9	84.2	47.3
01:00 PM - 02:00 PM	58.1	84.2	47.1
02:00 PM - 03:00 PM	59.9	84.7	47.0
03:00 PM - 04:00 PM	52.1	71.6	46.9
04:00 PM - 05:00 PM	62.5	84.7	47.0
05:00 PM - 06:00 PM	58.1	83.6	47.3
06:00 PM - 07:00 PM	53.8	77.6	48.1
07:00 PM - 08:00 PM	54.1	62.9	49.2
08:00 PM - 09:00 PM	50.6	58.6	49.9
09:00 PM - 10:00 PM	50.6	73.0	50.0
10:00 PM - 11:00 PM	49.6	57.7	48.3
11:00 PM - 12:00 AM	50.4	74.9	48.2
12:00 AM - 01:00 AM	60.0	74.1	49.7
01:00 AM - 02:00 AM	53.8	77.7	50.3
02:00 AM - 03:00 AM	51.3	54.7	50.2
03:00 AM - 04:00 AM	53.8	73.7	50.5
04:00 AM - 05:00 AM	60.2	84.3	50.8
05:00 AM - 06:00 AM	62.0	85.3	51.1
06:00 AM - 07:00 AM	66.7	86.9	52.8
07:00 AM - 08:00 AM	65.2	86.9	51.6
08:00 AM - 09:00 AM	62.5	84.6	49.8
09:00 AM - 10:00 AM	62.8	87.7	48.1
Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		87.7	
L90 (dB(A))			48.3
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519089-1

Sample Number	2613778-12
Parameter	Noise (Leq 24 hrs.)
Location	กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date	Feb 20 - Feb 21, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	59.8	84.3	47.8
11:00 AM - 12:00 PM	61.9	83.9	47.3
12:00 PM - 01:00 PM	52.9	76.4	48.0
01:00 PM - 02:00 PM	61.3	84.0	48.3
02:00 PM - 03:00 PM	51.4	76.3	47.6
03:00 PM - 04:00 PM	63.1	85.7	47.0
04:00 PM - 05:00 PM	53.3	76.4	46.9
05:00 PM - 06:00 PM	55.6	84.1	47.4
06:00 PM - 07:00 PM	52.0	75.1	48.7
07:00 PM - 08:00 PM	50.3	57.1	49.6
08:00 PM - 09:00 PM	50.3	60.0	49.6
09:00 PM - 10:00 PM	50.5	58.5	49.6
10:00 PM - 11:00 PM	52.4	73.5	49.4
11:00 PM - 12:00 AM	49.3	55.1	48.7
12:00 AM - 01:00 AM	49.8	58.5	49.1
01:00 AM - 02:00 AM	50.8	61.1	49.9
02:00 AM - 03:00 AM	51.0	62.0	50.4
03:00 AM - 04:00 AM	51.8	73.1	50.4
04:00 AM - 05:00 AM	62.2	85.4	50.6
05:00 AM - 06:00 AM	66.7	87.2	51.8
06:00 AM - 07:00 AM	62.2	86.4	51.3
07:00 AM - 08:00 AM	63.8	89.4	49.0
08:00 AM - 09:00 AM	60.1	84.2	47.4
09:00 AM - 10:00 AM	57.0	84.4	47.1
Leq Average 24 hrs. (dB(A))	59.2		
Lmax (dB(A))		89.4	
L90 (dB(A))			48.7
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS TESTING No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519090-1

Sample Number 2613778-13
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date Feb 21 - Feb 22, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	56.2	83.4	47.4
11:00 AM - 12:00 PM	61.1	93.2	47.3
12:00 PM - 01:00 PM	58.1	83.1	48.3
01:00 PM - 02:00 PM	57.6	83.6	48.3
02:00 PM - 03:00 PM	58.6	82.5	48.8
03:00 PM - 04:00 PM	51.4	72.8	47.6
04:00 PM - 05:00 PM	53.4	74.0	47.1
05:00 PM - 06:00 PM	53.6	78.4	46.9
06:00 PM - 07:00 PM	55.6	81.6	47.1
07:00 PM - 08:00 PM	47.7	56.8	47.0
08:00 PM - 09:00 PM	47.3	56.2	46.8
09:00 PM - 10:00 PM	48.0	59.9	46.9
10:00 PM - 11:00 PM	51.9	74.9	46.9
11:00 PM - 12:00 AM	51.0	74.6	46.7
12:00 AM - 01:00 AM	49.2	65.5	46.8
01:00 AM - 02:00 AM	50.0	74.7	46.6
02:00 AM - 03:00 AM	49.8	73.0	46.6
03:00 AM - 04:00 AM	59.8	83.3	46.5
04:00 AM - 05:00 AM	60.9	83.7	46.3
05:00 AM - 06:00 AM	66.4	85.8	48.3
06:00 AM - 07:00 AM	64.2	85.2	47.3
07:00 AM - 08:00 AM	64.2	85.6	47.4
08:00 AM - 09:00 AM	61.6	84.3	47.1
09:00 AM - 10:00 AM	57.8	82.7	47.3
Leq Average 24 hrs. (dB(A))	59.0		
Lmax (dB(A))		93.2	
L90 (dB(A))			47.1
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS TESTING No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2613778
Date Received : Feb 25, 2026
Date Reported : Mar 04, 2026
Report Number: 3519091-1

Sample Number 2613778-14
Parameter Noise (Leq 24 hrs.)
Location กลุ่มบ้านชุมชนพยุน 1 (ที่อยู่ใกล้พื้นที่โครงการมากที่สุด) (GPS 47P 0727177, 1404390)
Measurement Date Feb 22 - Feb 23, 2026
Measurement by Sitpawit Suwannarat
Sound Level meter Serial No. 623395

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	58.7	83.4	47.5
11:00 AM - 12:00 PM	59.3	84.0	47.4
12:00 PM - 01:00 PM	56.9	82.9	47.5
01:00 PM - 02:00 PM	55.3	79.0	47.8
02:00 PM - 03:00 PM	57.2	84.6	47.2
03:00 PM - 04:00 PM	57.7	84.0	46.9
04:00 PM - 05:00 PM	57.8	87.5	46.9
05:00 PM - 06:00 PM	56.9	90.5	47.3
06:00 PM - 07:00 PM	52.4	75.2	47.6
07:00 PM - 08:00 PM	48.0	53.8	47.5
08:00 PM - 09:00 PM	47.5	53.4	47.1
09:00 PM - 10:00 PM	47.3	57.1	46.8
10:00 PM - 11:00 PM	52.1	78.3	46.9
11:00 PM - 12:00 AM	47.3	64.3	46.8
12:00 AM - 01:00 AM	47.5	57.6	47.0
01:00 AM - 02:00 AM	48.5	65.3	47.6
02:00 AM - 03:00 AM	56.4	82.3	47.2
03:00 AM - 04:00 AM	59.5	84.2	48.1
04:00 AM - 05:00 AM	61.3	85.2	47.7
05:00 AM - 06:00 AM	65.7	85.7	49.1
06:00 AM - 07:00 AM	62.3	86.6	49.3
07:00 AM - 08:00 AM	61.8	83.9	47.3
08:00 AM - 09:00 AM	61.8	83.6	47.3
09:00 AM - 10:00 AM	58.8	84.0	47.3
Leq Average 24 hrs. (dB(A))	58.6		
Lmax (dB(A))		90.5	
L90 (dB(A))			47.3
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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8525-41/ EMAIL S:\Reports_Air Noise.rpt (11:23AM)

ภาคผนวก ค-3

ผลการตรวจวัดระดับเสียงโดยทั่วไปบริเวณพื้นที่โครงการ

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519122-1C16

Sample Number	2612676-1
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณเริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 16 - Feb 17, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.6	80.4	56.7
12:00 PM - 01:00 PM	59.0	79.8	56.8
01:00 PM - 02:00 PM	59.9	87.5	56.8
02:00 PM - 03:00 PM	59.4	77.6	56.8
03:00 PM - 04:00 PM	58.7	75.3	56.8
04:00 PM - 05:00 PM	59.7	83.1	56.9
05:00 PM - 06:00 PM	60.3	79.8	57.6
06:00 PM - 07:00 PM	61.1	82.7	57.6
07:00 PM - 08:00 PM	60.8	77.6	58.2
08:00 PM - 09:00 PM	60.0	86.0	57.5
09:00 PM - 10:00 PM	59.4	77.0	57.8
10:00 PM - 11:00 PM	59.0	73.6	58.1
11:00 PM - 12:00 AM	59.1	76.7	58.3
12:00 AM - 01:00 AM	58.7	69.3	58.2
01:00 AM - 02:00 AM	58.4	71.2	57.9
02:00 AM - 03:00 AM	58.3	68.2	57.8
03:00 AM - 04:00 AM	58.6	63.5	58.1
04:00 AM - 05:00 AM	58.7	69.4	58.1
05:00 AM - 06:00 AM	58.4	69.0	57.8
06:00 AM - 07:00 AM	58.8	73.9	57.9
07:00 AM - 08:00 AM	62.0	79.9	59.3
08:00 AM - 09:00 AM	63.1	83.9	58.9
09:00 AM - 10:00 AM	60.3	74.3	58.2
10:00 AM - 11:00 AM	59.3	77.2	57.6
Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		87.5	
L90 (dB(A))			57.8
Ldn (dB(A))	65.4		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any from without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519123-1C16

Sample Number	2612676-2
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณเริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 17 - Feb 18, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.3	86.4	57.1
12:00 PM - 01:00 PM	60.7	92.0	56.8
01:00 PM - 02:00 PM	59.1	76.1	56.8
02:00 PM - 03:00 PM	58.5	74.9	56.7
03:00 PM - 04:00 PM	58.1	73.9	56.6
04:00 PM - 05:00 PM	59.1	82.5	56.8
05:00 PM - 06:00 PM	59.4	74.7	57.1
06:00 PM - 07:00 PM	60.5	80.2	57.7
07:00 PM - 08:00 PM	62.1	86.5	58.4
08:00 PM - 09:00 PM	60.5	88.2	57.9
09:00 PM - 10:00 PM	59.1	74.8	57.8
10:00 PM - 11:00 PM	59.1	77.4	57.9
11:00 PM - 12:00 AM	58.8	70.5	58.1
12:00 AM - 01:00 AM	58.9	70.8	58.1
01:00 AM - 02:00 AM	59.2	77.7	58.2
02:00 AM - 03:00 AM	59.3	77.3	58.5
03:00 AM - 04:00 AM	59.0	67.7	58.4
04:00 AM - 05:00 AM	59.1	66.9	58.6
05:00 AM - 06:00 AM	59.0	68.9	58.4
06:00 AM - 07:00 AM	59.1	78.4	58.1
07:00 AM - 08:00 AM	62.0	83.9	59.2
08:00 AM - 09:00 AM	63.6	83.9	59.6
09:00 AM - 10:00 AM	60.9	78.6	58.9
10:00 AM - 11:00 AM	60.2	83.4	58.3
Leq Average 24 hrs. (dB(A))	60.0		
Lmax (dB(A))		92.0	
L90 (dB(A))			58.1
Ldn (dB(A))	65.7		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519124-1C16

Sample Number	2612676-3
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 18 - Feb 19, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.3	75.9	57.8
12:00 PM - 01:00 PM	59.6	75.2	57.3
01:00 PM - 02:00 PM	59.4	71.6	57.3
02:00 PM - 03:00 PM	59.0	76.6	57.1
03:00 PM - 04:00 PM	58.7	74.2	57.0
04:00 PM - 05:00 PM	58.6	72.6	57.0
05:00 PM - 06:00 PM	60.1	80.4	57.1
06:00 PM - 07:00 PM	60.9	84.4	57.4
07:00 PM - 08:00 PM	60.3	79.1	57.1
08:00 PM - 09:00 PM	59.7	85.9	57.0
09:00 PM - 10:00 PM	59.1	80.8	57.6
10:00 PM - 11:00 PM	58.8	76.0	57.8
11:00 PM - 12:00 AM	59.0	80.4	58.0
12:00 AM - 01:00 AM	59.4	77.7	58.5
01:00 AM - 02:00 AM	58.6	74.0	58.0
02:00 AM - 03:00 AM	58.6	74.9	58.0
03:00 AM - 04:00 AM	58.1	68.8	57.6
04:00 AM - 05:00 AM	58.2	68.2	57.8
05:00 AM - 06:00 AM	58.6	70.8	58.1
06:00 AM - 07:00 AM	59.1	71.5	58.3
07:00 AM - 08:00 AM	61.9	75.7	59.7
08:00 AM - 09:00 AM	63.5	87.0	59.3
09:00 AM - 10:00 AM	61.0	84.0	57.9
10:00 AM - 11:00 AM	59.2	72.1	57.7
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		87.0	
L90 (dB(A))			57.7
Ldn (dB(A))	65.4		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519125-1C16

Sample Number	2612676-4
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 19 - Feb 20, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.7	73.3	58.2
12:00 PM - 01:00 PM	60.4	78.5	57.7
01:00 PM - 02:00 PM	60.2	75.1	57.9
02:00 PM - 03:00 PM	58.7	71.0	57.2
03:00 PM - 04:00 PM	58.9	77.8	57.1
04:00 PM - 05:00 PM	58.3	74.0	56.7
05:00 PM - 06:00 PM	59.3	76.1	56.7
06:00 PM - 07:00 PM	61.1	85.6	56.7
07:00 PM - 08:00 PM	59.8	78.5	57.2
08:00 PM - 09:00 PM	60.5	88.7	57.1
09:00 PM - 10:00 PM	59.4	79.5	58.1
10:00 PM - 11:00 PM	59.5	76.0	58.7
11:00 PM - 12:00 AM	59.1	75.0	58.3
12:00 AM - 01:00 AM	58.9	67.7	58.3
01:00 AM - 02:00 AM	58.8	68.6	58.3
02:00 AM - 03:00 AM	59.2	69.6	58.8
03:00 AM - 04:00 AM	58.8	74.1	58.2
04:00 AM - 05:00 AM	59.1	74.3	58.6
05:00 AM - 06:00 AM	59.3	74.5	58.7
06:00 AM - 07:00 AM	60.1	81.1	59.1
07:00 AM - 08:00 AM	63.1	83.5	60.0
08:00 AM - 09:00 AM	62.9	82.4	59.0
09:00 AM - 10:00 AM	60.5	79.2	58.3
10:00 AM - 11:00 AM	59.8	72.7	58.5
Leq Average 24 hrs. (dB(A))	60.0		
Lmax (dB(A))		88.7	
L90 (dB(A))			58.2
Ldn (dB(A))	65.8		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519126-1C16

Sample Number	2612676-5
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณเริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 20 - Feb 21, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.0	78.0	58.1
12:00 PM - 01:00 PM	60.2	78.1	58.0
01:00 PM - 02:00 PM	59.9	74.6	57.8
02:00 PM - 03:00 PM	59.9	79.5	57.9
03:00 PM - 04:00 PM	59.7	73.8	57.9
04:00 PM - 05:00 PM	61.5	79.0	56.7
05:00 PM - 06:00 PM	62.4	77.6	58.2
06:00 PM - 07:00 PM	62.5	80.6	57.7
07:00 PM - 08:00 PM	59.5	70.3	57.8
08:00 PM - 09:00 PM	59.0	73.7	57.7
09:00 PM - 10:00 PM	59.9	68.9	58.9
10:00 PM - 11:00 PM	59.7	76.9	58.7
11:00 PM - 12:00 AM	60.5	80.0	57.4
12:00 AM - 01:00 AM	58.5	69.7	57.8
01:00 AM - 02:00 AM	59.7	73.2	59.0
02:00 AM - 03:00 AM	60.1	67.3	59.6
03:00 AM - 04:00 AM	60.1	71.8	59.5
04:00 AM - 05:00 AM	60.1	68.1	59.6
05:00 AM - 06:00 AM	65.0	79.6	63.5
06:00 AM - 07:00 AM	64.8	76.1	61.4
07:00 AM - 08:00 AM	61.6	78.7	58.3
08:00 AM - 09:00 AM	61.0	78.4	57.4
09:00 AM - 10:00 AM	59.4	76.5	56.6
10:00 AM - 11:00 AM	60.2	76.3	56.5
Leq Average 24 hrs. (dB(A))	61.0		
Lmax (dB(A))		80.6	
L90 (dB(A))			57.9
Ldn (dB(A))	67.9		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519127-1C16

Sample Number	2612676-6
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณเริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 21 - Feb 22, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.7	73.5	55.5
12:00 PM - 01:00 PM	59.7	76.8	56.0
01:00 PM - 02:00 PM	59.5	78.5	56.1
02:00 PM - 03:00 PM	60.9	79.7	56.1
03:00 PM - 04:00 PM	59.1	78.5	55.1
04:00 PM - 05:00 PM	60.5	81.8	55.9
05:00 PM - 06:00 PM	62.8	78.7	58.7
06:00 PM - 07:00 PM	59.8	81.0	55.0
07:00 PM - 08:00 PM	56.5	68.1	54.9
08:00 PM - 09:00 PM	55.9	71.7	54.5
09:00 PM - 10:00 PM	56.7	72.5	54.7
10:00 PM - 11:00 PM	59.9	81.5	54.5
11:00 PM - 12:00 AM	60.4	79.7	55.2
12:00 AM - 01:00 AM	56.2	77.4	54.6
01:00 AM - 02:00 AM	55.0	61.4	54.3
02:00 AM - 03:00 AM	55.6	75.5	54.5
03:00 AM - 04:00 AM	56.2	76.0	54.5
04:00 AM - 05:00 AM	63.7	79.7	59.3
05:00 AM - 06:00 AM	64.4	80.0	61.1
06:00 AM - 07:00 AM	60.2	76.3	56.4
07:00 AM - 08:00 AM	60.1	79.8	55.6
08:00 AM - 09:00 AM	59.6	83.0	55.3
09:00 AM - 10:00 AM	57.8	71.9	55.2
10:00 AM - 11:00 AM	57.5	76.3	54.8
Leq Average 24 hrs. (dB(A))	59.8		
Lmax (dB(A))		83.0	
L90 (dB(A))			55.2
Ldn (dB(A))	66.6		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supt S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612676
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519128-1C16

Sample Number	2612676-7
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศตะวันตกของพื้นที่ HPPO (GPS 47P 0726777, 1405417)
Measurement Date	Feb 22 - Feb 23, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.5	72.1	54.4
12:00 PM - 01:00 PM	57.6	70.3	54.6
01:00 PM - 02:00 PM	57.2	68.6	54.5
02:00 PM - 03:00 PM	56.4	68.6	54.3
03:00 PM - 04:00 PM	58.0	72.8	54.8
04:00 PM - 05:00 PM	62.4	82.0	56.4
05:00 PM - 06:00 PM	63.7	84.4	58.5
06:00 PM - 07:00 PM	58.8	74.0	56.1
07:00 PM - 08:00 PM	56.4	67.2	55.2
08:00 PM - 09:00 PM	56.4	72.0	54.6
09:00 PM - 10:00 PM	56.0	67.7	54.7
10:00 PM - 11:00 PM	58.2	77.5	55.6
11:00 PM - 12:00 AM	57.4	80.4	55.0
12:00 AM - 01:00 AM	56.6	70.6	55.5
01:00 AM - 02:00 AM	59.2	83.0	55.8
02:00 AM - 03:00 AM	58.2	71.9	56.2
03:00 AM - 04:00 AM	60.5	76.4	56.6
04:00 AM - 05:00 AM	64.9	82.1	59.7
05:00 AM - 06:00 AM	62.7	78.4	58.2
06:00 AM - 07:00 AM	59.2	74.0	56.0
07:00 AM - 08:00 AM	58.3	69.1	55.6
08:00 AM - 09:00 AM	60.0	80.5	55.5
09:00 AM - 10:00 AM	58.0	73.4	54.9
10:00 AM - 11:00 AM	58.3	74.8	55.2
Leq Average 24 hrs. (dB(A))	59.6		
Lmax (dB(A))		84.4	
L90 (dB(A))			55.5
Ldn (dB(A))	66.7		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chonticha Subongkoch
Scientist (3)

Approved by Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519219-1C16

Sample Number	2612681-1
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 16 - Feb 17, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.2	79.2	45.5
12:00 PM - 01:00 PM	48.3	66.1	45.3
01:00 PM - 02:00 PM	53.5	75.7	45.3
02:00 PM - 03:00 PM	55.9	84.8	45.2
03:00 PM - 04:00 PM	50.9	68.1	45.5
04:00 PM - 05:00 PM	50.3	67.7	45.8
05:00 PM - 06:00 PM	51.6	69.3	47.1
06:00 PM - 07:00 PM	50.8	66.5	47.2
07:00 PM - 08:00 PM	51.4	73.6	46.8
08:00 PM - 09:00 PM	47.8	65.7	45.3
09:00 PM - 10:00 PM	47.1	65.8	45.4
10:00 PM - 11:00 PM	47.6	61.6	45.7
11:00 PM - 12:00 AM	46.6	58.6	45.3
12:00 AM - 01:00 AM	47.8	68.9	45.2
01:00 AM - 02:00 AM	49.7	70.5	45.3
02:00 AM - 03:00 AM	46.3	55.4	45.2
03:00 AM - 04:00 AM	46.4	58.7	45.1
04:00 AM - 05:00 AM	50.8	71.1	45.4
05:00 AM - 06:00 AM	47.6	59.1	46.1
06:00 AM - 07:00 AM	55.2	70.8	52.4
07:00 AM - 08:00 AM	54.8	71.1	49.9
08:00 AM - 09:00 AM	56.8	85.7	47.8
09:00 AM - 10:00 AM	55.2	78.0	45.8
10:00 AM - 11:00 AM	49.4	70.3	44.3
Leq Average 24 hrs. (dB(A))	52.0		
Lmax (dB(A))		85.7	
L90 (dB(A))			45.4
Ldn (dB(A))	56.8		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chonticha Subongkoch
Scientist (3)

Approved by Supot Salamteh
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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519220-1C16

Sample Number	2612681-2
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 17 - Feb 18, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.1	73.2	44.4
12:00 PM - 01:00 PM	48.4	71.9	44.1
01:00 PM - 02:00 PM	47.6	65.7	44.1
02:00 PM - 03:00 PM	55.3	79.9	44.0
03:00 PM - 04:00 PM	55.3	78.3	45.1
04:00 PM - 05:00 PM	51.3	76.2	45.9
05:00 PM - 06:00 PM	51.6	68.3	47.5
06:00 PM - 07:00 PM	51.7	68.9	47.5
07:00 PM - 08:00 PM	52.4	73.6	46.4
08:00 PM - 09:00 PM	48.8	67.5	45.3
09:00 PM - 10:00 PM	47.3	68.7	44.9
10:00 PM - 11:00 PM	47.2	68.2	45.3
11:00 PM - 12:00 AM	46.6	61.7	45.1
12:00 AM - 01:00 AM	46.0	56.7	45.0
01:00 AM - 02:00 AM	50.5	71.8	45.6
02:00 AM - 03:00 AM	47.5	63.7	45.8
03:00 AM - 04:00 AM	47.4	56.3	46.1
04:00 AM - 05:00 AM	47.0	59.5	45.6
05:00 AM - 06:00 AM	53.8	76.5	45.6
06:00 AM - 07:00 AM	54.4	68.5	52.2
07:00 AM - 08:00 AM	54.9	71.1	51.0
08:00 AM - 09:00 AM	53.6	68.8	49.0
09:00 AM - 10:00 AM	53.7	76.9	49.0
10:00 AM - 11:00 AM	53.5	72.2	47.0
Leq Average 24 hrs. (dB(A))	51.7		
Lmax (dB(A))		79.9	
L90 (dB(A))			45.6
Ldn (dB(A))	57.0		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519221-1C16

Sample Number	2612681-3
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 18 - Feb 19, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.7	70.0	44.9
12:00 PM - 01:00 PM	50.6	69.1	44.2
01:00 PM - 02:00 PM	49.8	69.5	44.7
02:00 PM - 03:00 PM	53.1	76.9	43.7
03:00 PM - 04:00 PM	51.1	71.0	44.0
04:00 PM - 05:00 PM	50.3	69.9	45.2
05:00 PM - 06:00 PM	52.1	70.4	47.7
06:00 PM - 07:00 PM	52.5	70.2	48.3
07:00 PM - 08:00 PM	51.0	67.3	47.6
08:00 PM - 09:00 PM	48.9	65.6	47.2
09:00 PM - 10:00 PM	48.3	61.9	47.4
10:00 PM - 11:00 PM	49.0	59.7	47.8
11:00 PM - 12:00 AM	50.9	69.8	48.1
12:00 AM - 01:00 AM	50.0	59.1	49.2
01:00 AM - 02:00 AM	49.4	57.7	48.5
02:00 AM - 03:00 AM	48.4	62.8	47.7
03:00 AM - 04:00 AM	47.8	55.1	47.2
04:00 AM - 05:00 AM	54.1	77.3	48.5
05:00 AM - 06:00 AM	52.7	81.0	49.1
06:00 AM - 07:00 AM	57.9	85.2	51.3
07:00 AM - 08:00 AM	56.6	73.2	51.2
08:00 AM - 09:00 AM	51.7	66.5	47.5
09:00 AM - 10:00 AM	49.3	67.7	46.7
10:00 AM - 11:00 AM	48.7	61.8	46.5
Leq Average 24 hrs. (dB(A))	51.9		
Lmax (dB(A))		85.2	
L90 (dB(A))			47.5
Ldn (dB(A))	58.7		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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8525-209/ EMAIL

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519222-1C16

Sample Number	2612681-4
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 19 - Feb 20, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.3	64.7	44.8
12:00 PM - 01:00 PM	51.2	76.0	45.0
01:00 PM - 02:00 PM	51.9	74.5	44.6
02:00 PM - 03:00 PM	54.4	78.3	44.5
03:00 PM - 04:00 PM	50.3	70.0	44.8
04:00 PM - 05:00 PM	51.1	73.2	45.7
05:00 PM - 06:00 PM	54.4	70.5	49.4
06:00 PM - 07:00 PM	53.7	68.7	49.6
07:00 PM - 08:00 PM	51.1	69.0	48.2
08:00 PM - 09:00 PM	50.4	65.5	48.5
09:00 PM - 10:00 PM	49.4	62.3	48.4
10:00 PM - 11:00 PM	49.3	62.3	48.5
11:00 PM - 12:00 AM	48.3	67.4	46.9
12:00 AM - 01:00 AM	50.8	68.9	48.1
01:00 AM - 02:00 AM	51.4	69.6	49.3
02:00 AM - 03:00 AM	50.3	58.0	49.7
03:00 AM - 04:00 AM	50.0	57.0	49.5
04:00 AM - 05:00 AM	52.0	68.7	50.2
05:00 AM - 06:00 AM	53.5	73.5	50.1
06:00 AM - 07:00 AM	56.2	70.9	54.3
07:00 AM - 08:00 AM	55.2	70.4	52.1
08:00 AM - 09:00 AM	53.4	70.1	49.3
09:00 AM - 10:00 AM	51.9	73.3	47.9
10:00 AM - 11:00 AM	54.9	76.5	46.8
Leq Average 24 hrs. (dB(A))	52.4		
Lmax (dB(A))		78.3	
L90 (dB(A))			48.4
Ldn (dB(A))	58.5		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report
TESTING
No.0042
Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519223-1C16

Sample Number	2612681-5
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 20 - Feb 21, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.8	67.5	45.9
12:00 PM - 01:00 PM	49.7	68.4	45.3
01:00 PM - 02:00 PM	48.3	63.8	45.0
02:00 PM - 03:00 PM	56.8	80.9	45.9
03:00 PM - 04:00 PM	48.3	69.8	45.5
04:00 PM - 05:00 PM	53.5	74.0	46.0
05:00 PM - 06:00 PM	51.6	69.0	46.4
06:00 PM - 07:00 PM	53.4	70.6	48.4
07:00 PM - 08:00 PM	51.2	69.0	47.6
08:00 PM - 09:00 PM	49.5	60.3	47.9
09:00 PM - 10:00 PM	49.0	63.7	47.7
10:00 PM - 11:00 PM	50.4	66.9	49.0
11:00 PM - 12:00 AM	49.2	55.0	48.6
12:00 AM - 01:00 AM	50.5	70.0	47.3
01:00 AM - 02:00 AM	48.6	59.7	48.0
02:00 AM - 03:00 AM	49.8	63.2	49.1
03:00 AM - 04:00 AM	50.1	57.3	49.6
04:00 AM - 05:00 AM	50.1	61.8	49.5
05:00 AM - 06:00 AM	53.9	74.1	49.7
06:00 AM - 07:00 AM	55.0	69.6	53.6
07:00 AM - 08:00 AM	54.7	66.1	51.2
08:00 AM - 09:00 AM	51.4	68.7	48.2
09:00 AM - 10:00 AM	50.9	68.4	47.3
10:00 AM - 11:00 AM	49.8	66.5	46.6
Leq Average 24 hrs. (dB(A))	51.7		
Lmax (dB(A))		80.9	
L90 (dB(A))			47.7
Ldn (dB(A))	57.9		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519224-1C16

Sample Number	2612681-6
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 21 - Feb 22, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.8	66.3	46.4
12:00 PM - 01:00 PM	48.7	63.5	45.5
01:00 PM - 02:00 PM	49.7	66.8	46.0
02:00 PM - 03:00 PM	49.5	68.5	46.1
03:00 PM - 04:00 PM	50.9	69.7	46.1
04:00 PM - 05:00 PM	49.1	68.5	45.1
05:00 PM - 06:00 PM	52.8	74.7	45.8
06:00 PM - 07:00 PM	54.4	72.3	48.7
07:00 PM - 08:00 PM	55.6	79.8	45.2
08:00 PM - 09:00 PM	47.4	65.0	45.0
09:00 PM - 10:00 PM	46.0	61.7	44.5
10:00 PM - 11:00 PM	46.3	59.9	44.7
11:00 PM - 12:00 AM	50.1	71.5	44.5
12:00 AM - 01:00 AM	47.3	67.9	44.6
01:00 AM - 02:00 AM	50.0	69.7	45.2
02:00 AM - 03:00 AM	45.1	52.1	44.3
03:00 AM - 04:00 AM	45.6	65.5	44.4
04:00 AM - 05:00 AM	55.7	80.9	44.5
05:00 AM - 06:00 AM	49.7	69.7	44.6
06:00 AM - 07:00 AM	56.3	70.0	52.2
07:00 AM - 08:00 AM	52.3	67.9	48.0
08:00 AM - 09:00 AM	50.4	69.8	46.1
09:00 AM - 10:00 AM	48.2	69.1	45.3
10:00 AM - 11:00 AM	49.8	73.0	45.1
Leq Average 24 hrs. (dB(A))	51.2		
Lmax (dB(A))		80.9	
L90 (dB(A))			45.2
Ldn (dB(A))	57.8		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2612681
Date Received : Feb 25, 2026
Date Reported : Mar 07, 2026
Report Number: 3519225-1C16

Sample Number	2612681-7
Parameter	Noise (Leq 24 hrs.)
Location	บริเวณริมรั้วทางด้านทิศใต้ของพื้นที่ HPPO (ข้างป้อม รปภ. บล๊อค 45)(GPS 47P 0727136, 1404550)
Measurement Date	Feb 22 - Feb 23, 2026
Measurement by	Sitpawit Suwannarat
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	47.9	66.3	45.3
12:00 PM - 01:00 PM	46.7	56.8	44.3
01:00 PM - 02:00 PM	47.3	62.1	44.1
02:00 PM - 03:00 PM	53.7	76.7	45.0
03:00 PM - 04:00 PM	46.3	58.4	44.1
04:00 PM - 05:00 PM	47.0	58.6	44.6
05:00 PM - 06:00 PM	51.4	72.0	45.2
06:00 PM - 07:00 PM	53.7	74.4	48.7
07:00 PM - 08:00 PM	53.0	73.2	46.4
08:00 PM - 09:00 PM	47.8	62.5	46.0
09:00 PM - 10:00 PM	45.9	57.3	44.8
10:00 PM - 11:00 PM	46.4	62.0	44.5
11:00 PM - 12:00 AM	51.0	77.2	44.7
12:00 AM - 01:00 AM	48.6	70.4	45.6
01:00 AM - 02:00 AM	46.8	69.5	45.1
02:00 AM - 03:00 AM	46.9	60.6	45.9
03:00 AM - 04:00 AM	49.4	73.0	45.5
04:00 AM - 05:00 AM	53.4	76.4	46.5
05:00 AM - 06:00 AM	52.5	69.1	46.6
06:00 AM - 07:00 AM	58.3	75.9	53.6
07:00 AM - 08:00 AM	57.8	79.7	52.0
08:00 AM - 09:00 AM	51.1	68.4	46.9
09:00 AM - 10:00 AM	48.7	59.9	45.8
10:00 AM - 11:00 AM	48.3	58.3	45.6
Leq Average 24 hrs. (dB(A))	51.7		
Lmax (dB(A))		79.7	
L90 (dB(A))			45.5
Ldn (dB(A))	58.5		
Standard (dB(A))	70	115	

Reference Method : ISO 1996-1 : 2016
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management Chontichak
Chonticha Subongkoch
Scientist (3)

Approved by Supot S.
Supot Salamteh
Section Head

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ภาคผนวก ค-4

ผลการตรวจวิเคราะห์คุณภาพน้ำเสียจากกระบวนการผลิต

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 25113825
Date Received :Jan 07, 2026
Date Reported :Jan 16, 2026
Report Number :3488978-1

Sample Number	25113825-1
Sampled Date	Jan 07, 2026 11:05 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Jan 07, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2973	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD *	mg/L	1.5	25	21799	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	3.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Jitsupa P.
Jitsupa Pratuangsuk
Scientist (2)
ทะเบียนเลขที่ ว-323-จ-0004

Approved by
D. Changmon.
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 25113825
Date Received :Jan 07, 2026
Date Reported :Jan 15, 2026
Report Number :3488978-2

Sample Number	25113825-1
Sampled Date	Jan 07, 2026 11:05 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Jan 08, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	6913	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	5901	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Suwimon C.
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 265541
Date Received :Feb 05, 2026
Date Reported :Feb 13, 2026
Report Number :3508123-1

Sample Number	265541-1
Sampled Date	Feb 05, 2026 11:10 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Feb 05, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1203	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD *	mg/L	1.5	25	39162	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C *		-	-	3.6	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
D.Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 265541
Date Received :Feb 05, 2026
Date Reported :Feb 13, 2026
Report Number :3508123-2

Sample Number	265541-1
Sampled Date	Feb 05, 2026 11:10 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Feb 06, 2026
Condition of Sample	Contained in two glass vials, two amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	12406	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	7854	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaow

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by
Siriluk P.
Siriluk Bunnak
Section Head

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2616235
Date Received :Mar 04, 2026
Date Reported :Mar 12, 2026
Report Number :3526157-1

Sample Number	2616235-1
Sampled Date	Mar 04, 2026 11:05 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Mar 04, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1056	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	25100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	4.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2616235
Date Received :Mar 04, 2026
Date Reported :Mar 12, 2026
Report Number :3526157-2

Sample Number	2616235-1
Sampled Date	Mar 04, 2026 11:05 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Mar 05, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	5513	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	9660	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Wanlop Hunchainaow

Remark :
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Approved by
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2625140
Date Received :Apr 01, 2026
Date Reported :Apr 09, 2026
Report Number :3547609-1

Sample Number	2625140-1
Sampled Date	Apr 01, 2026 10:35 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Apr 01, 2026
Condition of Sample	Contained in two amber glass bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1671	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD *	mg/L	1.5	25	30563	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C *		-	-	3.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by D.Chumon.
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2625140
Date Received :Apr 01, 2026
Date Reported :Apr 09, 2026
Report Number :3547609-2

Sample Number	2625140-1
Sampled Date	Apr 01, 2026 10:35 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Apr 02, 2026
Condition of Sample	Contained in two amber glass bottles, two glass vials and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	14574	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	11866	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

Remark :
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Approved by Suwimon C.
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2634798
Date Received :May 06, 2026
Date Reported :May 14, 2026
Report Number :3570233-1

Sample Number	2634798-1
Sampled Date	May 06, 2026 10:52 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	May 06, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1253	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	19302	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	3.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2634798
Date Received :May 06, 2026
Date Reported :May 14, 2026
Report Number :3570233-2

Sample Number	2634798-1
Sampled Date	May 06, 2026 10:52 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	May 08, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	7034	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	5511	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Amonwich Wongsachai

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

Approved by
Siriluk Bunnak
Section Head

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2645055
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number :3594164-1

Sample Number	2645055-1
Sampled Date	Jun 04, 2026 10:40 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Jun 04, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 Degree C)	mg/L	-	2.0	1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD *	mg/L	1.5	25	24570	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	4.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Patchanon Inprik ทะเบียนเลขที่ ว-204-จ-0197

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management
PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2645055
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number :3594164-2

Sample Number	2645055-1
Sampled Date	Jun 04, 2026 10:40 AM
Sample Description	Wastewater
Location	PG Process
Date Analysis Commenced	Jun 05, 2026
Condition of Sample	Contained in two glass vials, three amber glass bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	8112	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok
Total Organic Carbon	mg/L	0.01	0.1	6033	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5310 B	Bangkok

Sampling By : Nattawut Athomprommarat , Patchanon Inprik

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

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Approved by
Suwimon C.
Suwimon Chairuangwut
Scientist (3)

ภาคผนวก ค-5

ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้งหลังผ่านการบำบัดจากระบบบำบัดน้ำเสียส่วนกลาง

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 25113825
Date Received :Jan 07, 2026
Date Reported :Jan 15, 2026
Report Number :3488979-1

Sample Number	25113825-2
Sampled Date	Jan 07, 2026 2:10 PM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	Jan 08, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Wanlop Hunchainaow , Pattarapol Sawangjaitam

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

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Approved by Suwimon C.
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 265541
Date Received :Feb 05, 2026
Date Reported :Feb 13, 2026
Report Number :3508124-1

Sample Number	265541-2
Sampled Date	Feb 05, 2026 2:00 PM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	Feb 06, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Wanlop Hunchainaow

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

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Approved by Siriluk P.
Siriluk Bunnak
Section Head

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2616235
Date Received : Mar 04, 2026
Date Reported : Mar 12, 2026
Report Number : 3526158-1

Sample Number	2616235-2
Sampled Date	Mar 04, 2026 3:10 PM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	Mar 05, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Wanlop Hunchainaow

Remark :
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Approved by Suwimon C.
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2625140
Date Received : Apr 01, 2026
Date Reported : Apr 09, 2026
Report Number : 3547610-1

Sample Number	2625140-2
Sampled Date	Apr 01, 2026 2:20 PM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	Apr 02, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

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

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Approved by Suwimon C.
Suwimon Chairuangwut
Scientist (3)

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2634798
Date Received :May 06, 2026
Date Reported :May 14, 2026
Report Number :3570234-1

Sample Number	2634798-2
Sampled Date	May 06, 2026 11:40 AM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	May 08, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Amonwich Wongsachai

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by Siriluk P.
Siriluk Bunnak
Section Head

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2645055
Date Received :Jun 04, 2026
Date Reported :Jun 12, 2026
Report Number :3594165-1

Sample Number	2645055-2
Sampled Date	Jun 04, 2026 11:45 AM
Sample Description	Wastewater
Location	Effluent PG
Date Analysis Commenced	Jun 05, 2026
Condition of Sample	Contained in one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Propylene Glycol	mg/L	-	1.0	<1.0	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Nattawut Athomprommarat , Patchanon Inprik

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

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Approved by Suwimon C.
Suwimon Chairuangwut
Scientist (3)

ภาคผนวก ค-6

ผลการตรวจวิเคราะห์คุณภาพน้ำหล่อเย็น

Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O :
Project Name : Water Testing
Project Location: AIE_PG Plant

Lot ID: 25113825
Date Received : Jan 07, 2026
Date Reported : Jan 16, 2026
Report Number : 3488980-1

Sample Number	25113825-3
Sampled Date	Jan 07, 2026 10:58 AM
Sample Description	Blowdown Water
Location	PG Cooling Tower
Date Analysis Commenced	Jan 07, 2026
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
COD	mg/L	1.5	25	56	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1030	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management Jitsupa P.
Jitsupa Pratuangsuk
Scientist (2)
ทะเบียนเลขที่ ว-323-จ-0004

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location: AIE_PG Plant

Lot ID: 265541
Date Received : Feb 05, 2026
Date Reported : Feb 13, 2026
Report Number : 3508125-1

Sample Number	265541-3
Sampled Date	Feb 05, 2026 11:00 AM
Sample Description	Blowdown Water
Location	PG Cooling Tower
Date Analysis Commenced	Feb 05, 2026
Condition of Sample	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
COD	mg/L	1.5	25	58	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	984	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location : AIE_PG Plant

Lot ID: 2616235
Date Received : Mar 04, 2026
Date Reported : Mar 12, 2026
Report Number : 3526159-1

Sample Number	2616235-3
Sampled Date	Mar 04, 2026 10:50 AM
Sample Description	Blowdown Water
Location	PG Cooling Tower
Date Analysis Commenced	Mar 04, 2026
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
COD	mg/L	1.5	25	51	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1100	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Wanlop Hunchainaow ทะเบียนเลขที่ ว-323-จ-0038

Remark :
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by D.Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

: Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
4518158727
: Water Testing
: AIE_PG Plant

Date Received : Apr 01, 2026
Date Reported : Apr 09, 2026
Report Number : 3547611-1

	2625140-3
	Apr 01, 2026 10:28 AM
	Blowdown Water
	PG Cooling Tower
	Apr 01, 2026
	Contained in one amber glass bottle and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

COD	mg/L	1.5	25	53	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1200	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	8	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

: Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Surawit Narapong ทะเบียนเลขที่ ว-323-จ-0011 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

D.Changchon
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location: AIE_PG Plant

Lot ID: 2634798
Date Received : May 06, 2026
Date Reported : May 14, 2026
Report Number : 3570235-1

Sample Number	2634798-3
Sampled Date	May 06, 2026 10:45 AM
Sample Description	Blowdown Water
Location	PG Cooling Tower
Date Analysis Commenced	May 06, 2026
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
COD	mg/L	1.5	25	56	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1090	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040

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Technical Management PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by D.Chuwon.
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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Analysis / Test Report

TESTING
No.0042

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158727
Project Name : Water Testing
Project Location: AIE_PG Plant

Lot ID: 2645055
Date Received : Jun 04, 2026
Date Reported : Jun 12, 2026
Report Number : 3594166-1

Sample Number	2645055-3
Sampled Date	Jun 04, 2026 10:30 AM
Sample Description	Blowdown Water
Location	PG Cooling Tower
Date Analysis Commenced	Jun 04, 2026
Condition of Sample	Contained in two amber glass bottles and two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
COD	mg/L	1.5	25	52	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	996	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried from 103-105 degree C	mg/L	-	5	7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Patchanon Inprik ทะเบียนเลขที่ ว-204-จ-0197

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Technical Management PhotchanaS
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by D.Chuwon.
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ภาคผนวก ค-7

ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดิน

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158755
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617366
Date Received :Mar 31, 2026
Date Reported :Apr 11, 2026
Report Number :3514465-2

Sample Number	2617366-1
Sampled Date	Mar 31, 2026 11:20 AM
Sample Description	Groundwater
Location	MW 2
Date Analysis Commenced	Apr 01, 2026
Condition of Sample	Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Organic Compounds						
Propylene oxide	mg/L	-	10	<10	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

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

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Approved by
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158755
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617371
Date Received :Mar 31, 2026
Date Reported :Apr 10, 2026
Report Number :3514472-2

Sample Number	2617371-1
Sampled Date	Mar 31, 2026 11:20 AM
Sample Description	Groundwater
Location	MW-4
Date Analysis Commenced	Apr 01, 2026
Condition of Sample	Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Organic Compounds						
Propylene oxide	mg/L	-	10	<10	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

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

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Approved by
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518158755
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617372
Date Received : Mar 31, 2026
Date Reported : Apr 10, 2026
Report Number : 3514474-2

Sample Number	2617372-1
Sampled Date	Mar 31, 2026 10:49 AM
Sample Description	Groundwater
Location	MW-5
Date Analysis Commenced	Apr 01, 2026
Condition of Sample	Contained in one amber glass bottle and one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Organic Compounds						
Propylene oxide	mg/L	-	10	<10	In-house method based on United States Environmental Protection Agency, EPA Method 8015 B	Bangkok

Sampling By : Surawit Narapong , Pattarapol Sawangjaitam

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

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Approved by

Nanthawadee Somboon
Specialist 2

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ภาคผนวก ค-8

ผลการตรวจวิเคราะห์คุณภาพดิน

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4515619934
Project Name : Environmental Quality Monitoring
Project Location: AIE_PG Plant

Lot ID: 2469000
Date Received : Jun 19, 2024
Date Reported : Jul 17, 2024
Report Number : 3038755-3

Sample Number	2469000-1
Sampled Date	Jun 19, 2024 2:50 PM
Sample Description	Soil
Location	MW 2
Date Analysis Commenced	Jun 20, 2024
Condition of Sample	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
Propylene Oxide	mg/kg	-	20	<20	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5035 and GC/FID	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Note : This Analysis test report is reissued to supersede report No.3038755-2, Date Reported : Jun 27, 2024 due to revise analytical information.

Sampling By : Pattarapol Sawangjaitam

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

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Approved by
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4515619934
Project Name : Environmental Quality Monitoring
Project Location: AIE_PG Plant

Lot ID: 2469000
Date Received : Jun 19, 2024
Date Reported : Jul 17, 2024
Report Number : 3038756-3

Sample Number	2469000-2
Sampled Date	Jun 19, 2024 11:30 AM
Sample Description	Soil
Location	MW 4
Date Analysis Commenced	Jun 20, 2024
Condition of Sample	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
Propylene Oxide	mg/kg	-	20	<20	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5035 and GC/FID	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures
Note : This Analysis test report is reissued to supersede report No.3038756-2, Date Reported : Jun 27, 2024 due to revise analytical information.

Sampling By : Pattarapol Sawangjaitam

Remark :
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Approved by
Nanthawadee Somboon
Specialist 2

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4515619934
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2469000
Date Received : Jun 19, 2024
Date Reported : Jul 17, 2024
Report Number : 3038757-3

Sample Number	2469000-3
Sampled Date	Jun 19, 2024 10:45 AM
Sample Description	Soil
Location	MW 5
Date Analysis Commenced	Jun 20, 2024
Condition of Sample	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Organic Compounds							
Propylene Oxide	mg/kg	-	20	<20	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5035 and GC/FID	Bangkok

Guideline : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

Note : This Analysis test report is reissued to supersede report No.3038757-2, Date Reported : Jun 27, 2024 due to revise analytical information.

Sampling By : Pattarapol Sawangjaitam

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

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Nanthawadee Somboon
Specialist 2

ภาคผนวก ค-9

ผลการตรวจวัดความร้อนในสถานที่ปฏิบัติงาน

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2625544
Date Received : Apr 02, 2026
Date Reported : Apr 04, 2026
Report Number: 3534208-1

Sample Number 2625544-1
Parameter Heat Stress (Sampling Time : 10.00 AM - 12.00 PM)
Measurement Date Apr 02, 2026
Measurement by Warawut Pubpa
Location ปฏิบัติงาน 1 พื้นที่ (ชื่อ-นามสกุล ผู้ปฏิบัติงาน : - แผนก : -)

Location	Duration (min)	WBGT (°C)	NWB (°C)	GT (°C)	DB (°C)
บริเวณถังปฏิกิริยา	120	32.8	29.2	42.7	37.8
Average (WBGT)		32.8			
Guideline WBGT (°C)		34.0			

Reference Method : Wet Bulb Globe Temperature

Guideline:

1. Notification of Department Labour Protection and Welfare on the Criteria and Procedures for Measurement and Analysis of Working Conditions in relation to Heat, Light or Noise Levels, including Duration and Types of Business that must perform (B.E. 2561)
2. Ministerial Regulation on Prescribing of Standard for Administration and Management of Occupational Safety, Health and Environmentin relation to Heat,Light and Noise, B.E.2559

Technical Management
Supot Salamteh
Section Head

Approved by
Wichan Choonharat
Assistant Manager

ภาคผนวก ค-10

ผลการตรวจวัดระดับเสียงในสถานประกอบการ (Leq 12 hrs.)

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617361
Date Received : Mar 06, 2026
Date Reported : Mar 11, 2026
Report Number: 3524669-1

Sample Number	2617361-1
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณพื้นที่ถังปฏิกิริยา
Measurement Date	Mar 05, 2026
Measurement by	Tarin Octjinda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:46 AM - 11:46 AM	75.4	77.0	75.3
11:46 AM - 12:46 PM	75.4	78.5	75.3
12:46 PM - 01:46 PM	75.4	75.9	75.3
01:46 PM - 02:46 PM	75.6	77.5	75.4
02:46 PM - 03:46 PM	75.6	77.9	75.5
03:46 PM - 04:46 PM	75.7	76.1	75.5
04:46 PM - 05:46 PM	75.6	77.0	75.5
05:46 PM - 06:46 PM	75.7	76.7	75.6
06:46 PM - 07:46 PM	75.8	76.2	75.7
07:46 PM - 08:46 PM	75.8	76.5	75.7
08:46 PM - 09:46 PM	75.8	83.6	75.7
09:46 PM - 10:46 PM	75.8	76.3	75.7
Leq Average 12 hrs. (dB(A))	75.6		
Lmax (dB(A))		83.6	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ.๒๕๔๖

Technical Management Chonticha Subongkoch
Scientist (3)

Approved by Supot Salamteh
Section Head

Analysis / Test Report

Client : Dow Chemical Thailand Ltd.
10 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
P/O : 4518143163
Project Name : Environmental Quality Monitoring
Project Location : AIE_PG Plant

Lot ID: 2617361
Date Received : Mar 06, 2026
Date Reported : Mar 11, 2026
Report Number: 3524670-1

Sample Number	2617361-2
Parameter	Noise (Leq 12 hrs.)
Location	บริเวณหอหล่อเย็น
Measurement Date	Mar 05, 2026
Measurement by	Tarin Octjinda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:51 AM - 11:51 AM	80.9	83.1	80.7
11:51 AM - 12:51 PM	80.9	81.4	80.8
12:51 PM - 01:51 PM	80.8	81.3	80.7
01:51 PM - 02:51 PM	80.8	81.5	80.7
02:51 PM - 03:51 PM	81.0	81.5	80.8
03:51 PM - 04:51 PM	81.1	81.6	81.0
04:51 PM - 05:51 PM	81.1	81.6	81.0
05:51 PM - 06:51 PM	81.2	81.7	81.1
06:51 PM - 07:51 PM	81.2	81.6	81.0
07:51 PM - 08:51 PM	81.1	81.7	81.0
08:51 PM - 09:51 PM	81.2	81.7	81.0
09:51 PM - 10:51 PM	81.1	81.6	81.0
Leq Average 12 hrs. (dB(A))	81.0		
Lmax (dB(A))		83.1	
Standard (dB(A))	87	140	

Reference Method : ISO 1996-1 : 2016
Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย
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Technical Management
Chonticha Subongkoch
Scientist (3)

Approved by
Supot Salamteh
Section Head

ภาคผนวก ค-11

ผลการตรวจวัดคุณภาพอากาศบริเวณการทำงาน

(แบบติดตัวบุคคล)

Analysis / Test Report

Report to : Dow Chemical Thailand Ltd.
10/4 Moo 2, Asia Industrial Estate, Tambol Banchang, Amphur Banchang, Rayong Thailand 21130
Attn : Komgrit Chaladtham
Phone : 0-3892-5614
Fax : -
Email : CKomgrit@dow.com

Project Name : Environmental Quality Monitoring
Location : AIE_PG Plant
P/O :
Receipt No :
Cc. Email : PPChaiyadej@dow.com

Lot ID: 203818
Date Received : Jan 13, 2020
Date Reported : Jan 17, 2020
Report Number : 1561998-1
Sampling by : Jaradrawee Sriruksa

Reference Number	203818-1
Sampling Date	Jan 13, 2020
Sample Description	Air Quality
Location	บริเวณพื้นที่ถังปฏิกิริยา
Personal Sampling	คุณกิตติพงษ์ เพชรสังหนู
Condition of Sample	Drawn into one sorbent tube, refrigerated
Date of Analysis	Jan 14, 2020
Barometric Pressure	757 mmHg
Atmospheric Temperature	30.0 °C

Analyte	Sampling time	Result	Guideline Limit	Unit	Method	Guideline
Air Testing						
Propylene Oxide	09.30 AM - 11.30 AM	<0.10	100	ppm	NIOSH (1994), 1612	MOL

MOL : Announcement of the Department of Labour Protection and Welfare on Threshold Limit Values of Hazardous Chemical Substances Dated August 3, B.E. 2560 (2017)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any from without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sararat Mongkonjirawut
Scientist (4)