

ภาคผนวก ซ

รายงานผลการวิเคราะห์คุณภาพสิ่งแวดล้อม

ภาคผนวก ซ-1

ใบรายงานผลการวิเคราะห์คุณภาพอากาศจากปล่องระบาย

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 24, 2025
SAMPLING TIME : 13:00-15:20 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๓-145-๓-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U046978
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 1 เตาหลอม 1, 2, 3 LINE B1
			T25AI994-0001
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.62
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 5)	< 1.30
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๓-145-๓-0011



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ANALYSIS REPORT

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : APRIL 24, 2025
MEASURING TIME : 13:10-13:20 HOUR
MEASURED BY : MR RATTANACHAI LOAMA ๓-145-๓-0072

RECEIVED DATE : APRIL 24, 2025
ANALYTICAL DATE : APRIL 24, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U042980
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 1 เตาหลอม 1, 2, 3 LINE B1
			T25AI994-0001
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	< 1
CARBON MONOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 10, JULY 2021	1
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
๓-145-๓-0021



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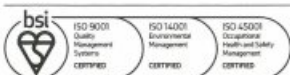
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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 09:00-11:20 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : APRIL 28, 2025
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ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U046979
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 5 เตาหลอม 1, 2, 3 LINE B1 (ผ่าคร่อมเตาหลอม) T25AI994-0002
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	126
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 130
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : 09:10-09:20 HOUR
MEASURED BY : MR RATTANACHAI LOAMA ๖-145-๖-0072

RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U042984
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 5 เตาหลอม 1, 2, 3 LINE B1 (ผ่าคร่อมเตาหลอม) T25AI994-0002
			ACTUAL OXYGEN
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	< 1
CARBON MONOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 10, JULY 2021	1
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 13:00-15:20 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

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REPORT NO. : 2025-U046980
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 6 เคาหลอม 1, 2, 3, 4 LINE B2
			T25AI994-0003
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.49
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 8)	< 1.30
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : 13:10-13:20 HOUR
MEASURED BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U042995
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 6 เคาหลอม 1, 2, 3, 4 LINE B2
			T25AI994-0003
			ACTUAL OXYGEN
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	< 1
CARBON MONOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 10, JULY 2021	1
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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LABORATORY SUPERVISOR
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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 24, 2025
SAMPLING TIME : 09:30-11:50 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : APRIL 28, 2025
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ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U046981
WORK NO. : 2024-011273
ANALYSIS NO. : T25A1994-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 12 เตาหลอม 1, 2, 3, 4 LINE B2 (ผาครอบเตาหลอม) T25A1994-0004 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.17
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.


(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๖-145-๖-0011



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : APRIL 24, 2025
MEASURING TIME : 09:40-09:50 HOUR
MEASURED BY : MR RATTANACHAI LOAMA ๖-145-๖-0072

RECEIVED DATE : APRIL 24, 2025
ANALYTICAL DATE : APRIL 24, 2025
ISSUE DATE : MAY 20, 2025
REPORT NO. : 2025-U043001
WORK NO. : 2024-011273
ANALYSIS NO. : T25A1994-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 12 เตาหลอม 1, 2, 3, 4 LINE B2 (ผาครอบเตาหลอม) T25A1994-0004 ACTUAL OXYGEN
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	< 1
CARBON MONOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 10, JULY 2021	1
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.


(MR NATTAWAT DANGAWAT)
LABORATORY SUPERVISOR
๖-145-๖-0021



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 12:00-12:54 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043003
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 2 การป้อนแบบ LINE B1
			T25AI994-0005
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	139
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๖-145-๖-0011



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CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 10:40-11:28 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043006
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 3 การผสมทราย LINE B1
			T25AI994-0006
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	138
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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๖-145-๖-0011



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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 09:30-10:06 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๑-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๑-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043008
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 4 การวัดค่าขึ้นงาน LINE B1
			T25AI994-0007 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.44
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:50-10:32 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๑-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๑-0025

RECEIVED DATE : APRIL 28, 2025
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ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043010
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 7 การวัดค่าขึ้นงาน LINE B2
			T25AI994-0008 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.24
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

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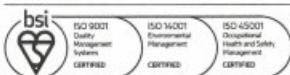
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SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 25, 2025
SAMPLING TIME : 10:40-11:22 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

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REPORT NO. : 2025-U043013
WORK NO. : 2024-011273
ANALYSIS NO. : T25A1994-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 8 การผสมรวม LINE B2 T25A1994-0009 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	148
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.


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LABORATORY SUPERVISOR
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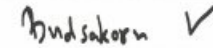
ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : panichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 13:10-13:46 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๖-145-๖-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043016
WORK NO. : 2024-011273
ANALYSIS NO. : T25A1994-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 9 การฉีดหัวชิ้นงาน LINE B2 #1 T25A1994-0010 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	5.67
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.


(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๖-145-๖-0011



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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 11:00-11:42 HOUR
SAMPLING BY : MR RATTANACHAI LOAMA ๓-145-๓-0072
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28-MAY 14, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043019
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 10 การวัดควันงาน LINE B2 #2 T25AI994-0011 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	190
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

ANALYSIS REPORT

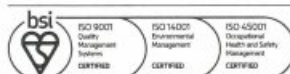
CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : STACK
MEASURING DATE : APRIL 25, 2025
MEASURING TIME : 10:00 HOUR
MEASURING METHOD : U.S. EPA METHOD 7E
MEASURED BY : MR RATTANACHAI LOAMA ๓-145-๓-0072

RECEIVED DATE : APRIL 25, 2025
ANALYTICAL DATE : APRIL 25, 2025
ISSUE DATE : MAY 27, 2025
REPORT NO. : 2025-U043022
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI994-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			ปล่องที่ 11 BOILER T25AI994-0012	
			ACTUAL OXYGEN	7% OXYGEN
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	U.S. EPA, CODE OF FEDERAL REGULATIONS, 40 CFR PART 60 APPENDIX A, METHOD 7E, JULY 2021	< 1	< 1
SAMPLE CONDITION			COMPLETE	

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๓-145-๓-0011



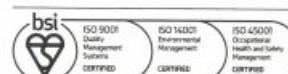
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Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
๓-145-๓-0021



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ภาคผนวก ซ-2

ใบรายงานผลการวิเคราะห์คุณภาพอากาศในบรรยากาศโดยทั่วไป

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@atg.co.th
SAMPLING SOURCE : บริเวณใกล้โรงงานทางทิศตะวันตกเฉียงใต้ (ABI)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : 5, 11, 18
SAMPLING TIME : 5, 11, 18
SAMPLING BY : MR CHATCHAWAN LUEANLONG
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U040363
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0008 - T25AJ029-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บริเวณใกล้โรงงานทางทิศตะวันตกเฉียงใต้ (ABI)			
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	*	**	***	****
			T25AJ029-0008	T25AJ029-0009	T25AJ029-0010	T25AJ029-0014
			0.046	0.060	0.107	
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.031	0.043	0.045	
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

REMARK
TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
* : SAMPLING FROM 09:00 HOUR ON APRIL 19, 2025 TO 09:00 HOUR ON APRIL 20, 2025.
** : SAMPLING FROM 09:00 HOUR ON APRIL 20, 2025 TO 09:00 HOUR ON APRIL 21, 2025.
*** : SAMPLING FROM 09:00 HOUR ON APRIL 21, 2025 TO 09:00 HOUR ON APRIL 22, 2025.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@atg.co.th
SAMPLING SOURCE : บริเวณใกล้โรงงานทางทิศตะวันตกเฉียงใต้ (ABI)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : 5, 11, 18
SAMPLING TIME : 5, 11, 18
SAMPLING BY : MR CHATCHAWAN LUEANLONG
ANALYZED BY : MISS JETJARAN TUMSA-AT
RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U040365
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0011 - T25AJ029-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บริเวณใกล้โรงงานทางทิศตะวันตกเฉียงใต้ (ABI)			
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	*	**	***	****
			T25AJ029-0011	T25AJ029-0012	T25AJ029-0013	T25AJ029-0014
			0.109	0.119	0.067	0.063
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.029	0.033	0.048	0.034
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

REMARK
TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
* : SAMPLING FROM 09:00 HOUR ON APRIL 22, 2025 TO 09:00 HOUR ON APRIL 23, 2025.
** : SAMPLING FROM 09:00 HOUR ON APRIL 23, 2025 TO 09:00 HOUR ON APRIL 24, 2025.
*** : SAMPLING FROM 09:00 HOUR ON APRIL 24, 2025 TO 09:00 HOUR ON APRIL 25, 2025.
**** : SAMPLING FROM 09:00 HOUR ON APRIL 25, 2025 TO 09:00 HOUR ON APRIL 26, 2025.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 70Q89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : panchart.s@atg.co.th
SAMPLING SOURCE : บริเวณใกล้โรงงานหล่อเครื่องจักรขนาดใหญ่ (AB2)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR. CHATCHAWAN LUEANLONG
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U040360
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0001 - T25AJ029-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			* T25AJ029-0001	** T25AJ029-0002	*** T25AJ029-0003
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.043	0.063	0.060
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.032	0.036	0.037
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

REMARK
TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
* : SAMPLING FROM 10:00 HOUR ON APRIL 19, 2025 TO 10:00 HOUR ON APRIL 20, 2025.
** : SAMPLING FROM 10:00 HOUR ON APRIL 20, 2025 TO 10:00 HOUR ON APRIL 21, 2025.
*** : SAMPLING FROM 10:00 HOUR ON APRIL 21, 2025 TO 10:00 HOUR ON APRIL 22, 2025.


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LABORATORY SUPERVISOR

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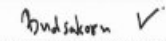
CUSTOMER NAME : AISIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 70Q89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : panchart.s@atg.co.th
SAMPLING SOURCE : บริเวณใกล้โรงงานหล่อเครื่องจักรขนาดใหญ่ (AB2)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR. CHATCHAWAN LUEANLONG
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : APRIL 28, 2025
ANALYTICAL DATE : APRIL 28 - MAY 6, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U040361
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0004 - T25AJ029-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			* T25AJ029-0004	** T25AJ029-0005	*** T25AJ029-0006	**** T25AJ029-0007
TOTAL SUSPENDED PARTICULATE MATTER ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.063	0.051	0.050	0.045
PARTICULATE MATTER as PM ₁₀ (≤ 10 µm) ^a	mg/m ³	US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM ₁₀ IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021	0.049	0.036	0.038	0.034
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

REMARK
TSP, PM₁₀ : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
* : SAMPLING FROM 10:00 HOUR ON APRIL 22, 2025 TO 10:00 HOUR ON APRIL 23, 2025.
** : SAMPLING FROM 10:00 HOUR ON APRIL 23, 2025 TO 10:00 HOUR ON APRIL 24, 2025.
*** : SAMPLING FROM 10:00 HOUR ON APRIL 24, 2025 TO 10:00 HOUR ON APRIL 25, 2025.
**** : SAMPLING FROM 10:00 HOUR ON APRIL 25, 2025 TO 10:00 HOUR ON APRIL 26, 2025.


(MISS BUDSAKORN LERDPUNMAS)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : ASSIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 70Q/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : panichart.s@etg.co.th
MEASURING PLACE : บริเวณใต้โรงงานเหล็กและเหล็กหล่อ (AB1)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 19-26, 2025
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR. CHATCHAWAN LUEANLONG

RECEIVED DATE : APRIL 19-26, 2025
ANALYTICAL DATE : APRIL 19-26, 2025
ISSUE DATE : MAY 6, 2025
REPORT NO. : 2025-U038513
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0008 - T25AJ029-0014

TIME *	RESULT (m/s)					
	บริเวณใต้โรงงานเหล็กและเหล็กหล่อ (AB1)					
	APRIL 19 - 20, 2025		APRIL 20 - 21, 2025		APRIL 21 - 22, 2025	
	T25AJ029-0008		T25AJ029-0009		T25AJ029-0010	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	3.4	SE	3.5	SE	3.2	SSE
08:00-09:00 HOUR	3.5	SE	2.4	SE	2.7	SSW
09:00-10:00 HOUR	2.7	SSE	2.1	SE	3.7	S
10:00-11:00 HOUR	3.9	SE	3.8	SSW	2.3	SW
11:00-12:00 HOUR	3.8	SSE	2.9	S	3.7	S
12:00-13:00 HOUR	2.1	SE	2.7	S	4.0	SSW
13:00-14:00 HOUR	2.5	SSE	3.3	S	3.8	SSE
14:00-15:00 HOUR	3.8	SE	3.6	ESE	2.4	SSE
15:00-16:00 HOUR	2.1	SE	2.5	SSE	2.0	SE
16:00-17:00 HOUR	2.1	SE	3.9	ESE	2.2	SSE
17:00-18:00 HOUR	3.8	SSE	2.4	SE	2.6	SSE
18:00-19:00 HOUR	2.7	ESE	1.2	ESE	3.8	SSE
19:00-20:00 HOUR	3.2	SE	2.1	SE	3.6	SSW
20:00-21:00 HOUR	3.8	SSE	2.7	ESE	3.4	SSW
21:00-22:00 HOUR	3.1	S	2.3	SE	3.1	S
22:00-23:00 HOUR	2.3	SSE	3.2	SSE	2.2	SSW
23:00-00:00 HOUR	2.6	S	2.5	SSE	4.0	SSW
00:00-01:00 HOUR	3.2	SE	3.9	SSE	3.7	S
01:00-02:00 HOUR	3.9	SSW	2.5	SSE	3.2	SSW
02:00-03:00 HOUR	3.2	SE	2.9	SSE	2.7	SSE
03:00-04:00 HOUR	2.6	SE	3.3	SE	3.1	S
04:00-05:00 HOUR	3.4	SE	3.7	S	2.0	S
05:00-06:00 HOUR	2.2	SE	3.5	SSE	2.7	SSE
06:00-07:00 HOUR	2.5	ESE	3.8	SSE	3.3	SSE

TIME *	RESULT (m/s)							
	บริเวณใต้โรงงานเหล็กและเหล็กหล่อ (AB1)							
	APRIL 23 - 23, 2025		APRIL 23 - 24, 2025		APRIL 24 - 25, 2025		APRIL 25 - 26, 2025	
	T25AJ029-0011		T25AJ029-0012		T25AJ029-0013		T25AJ029-0014	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	3.4	SE	3.4	SSW	3.3	SSE	2.3	SSE
08:00-09:00 HOUR	2.1	SSE	4.0	S	3.0	SE	2.8	S
09:00-10:00 HOUR	3.8	SE	3.4	S	2.3	SE	3.5	SSE
10:00-11:00 HOUR	3.8	SSW	3.9	S	2.4	SSE	2.5	SSW
11:00-12:00 HOUR	3.1	SSW	3.4	SSW	4.0	SSE	2.6	S
12:00-13:00 HOUR	2.3	S	4.0	SSE	4.0	SE	3.8	SSE
13:00-14:00 HOUR	2.9	S	3.0	S	2.4	SSE	2.6	S
14:00-15:00 HOUR	2.9	SW	2.8	SE	2.4	SE	3.9	SSE
15:00-16:00 HOUR	2.2	WSW	4.0	ESE	3.3	SSE	3.8	SE
16:00-17:00 HOUR	3.0	SSE	3.6	SE	3.2	ESE	3.6	ESE
17:00-18:00 HOUR	3.2	SSE	2.7	SE	2.4	SSE	2.2	SE
18:00-19:00 HOUR	3.0	SSE	2.2	ESE	3.1	S	2.4	ESE
19:00-20:00 HOUR	2.3	SE	3.0	S	3.4	SSW	2.1	SW
20:00-21:00 HOUR	2.2	SE	3.8	SSE	2.1	SW	2.5	SSW
21:00-22:00 HOUR	3.5	SE	2.8	SSE	2.6	SW	2.5	SSE
22:00-23:00 HOUR	2.1	SE	2.5	SSE	2.9	SW	2.1	SE
23:00-00:00 HOUR	2.8	S	2.1	ESE	3.4	SSW	3.9	SE
00:00-01:00 HOUR	2.1	S	2.3	ESE	2.1	S	2.8	SSE
01:00-02:00 HOUR	2.6	SSW	3.9	SSE	2.5	S	3.0	SSE
02:00-03:00 HOUR	3.0	S	3.7	ESE	2.8	SSE	3.1	SE
03:00-04:00 HOUR	3.1	S	2.3	ESE	2.2	S	3.7	ESE
04:00-05:00 HOUR	3.1	S	3.8	ESE	3.6	SSW	3.9	SE
05:00-06:00 HOUR	3.3	SW	3.7	ESE	2.9	S	2.4	ESE
06:00-07:00 HOUR	3.0	SSW	2.5	SE	3.8	SSE	2.4	ESE


(MR. SILA BANONGJAIRUK)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart@uettg.co.th
MEASURING PLACE : บริเวณตัวโรงงานทางทิศตะวันออกของบ่อ (AB2)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : APRIL 19-26, 2025
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR CHATCHAWAN LUENLONG

RECEIVED DATE : APRIL 19-26, 2025
ANALYTICAL DATE : APRIL 19-26, 2025
ISSUE DATE : MAY 6, 2025
REPORT NO. : 2025-U038510
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ029-0001 - T25AJ029-0007

TIME *	RESULT (m/s)					
	บริเวณตัวโรงงานทางทิศตะวันออกของบ่อ (AB2)					
	APRIL 19 - 20, 2025		APRIL 20 - 21, 2025		APRIL 21 - 22, 2025	
	T25AJ029-0001		T25AJ029-0002		T25AJ029-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	3.3	S	3.3	SSE	2.4	S
08:00-09:00 HOUR	3.5	SSW	2.7	WSW	3.9	S
09:00-10:00 HOUR	3.6	WSW	3.8	SW	3.1	SSW
10:00-11:00 HOUR	3.2	WSW	3.0	SW	3.4	SSW
11:00-12:00 HOUR	3.9	SSW	3.9	S	3.9	S
12:00-13:00 HOUR	2.4	WSW	2.2	SSE	2.3	SSW
13:00-14:00 HOUR	2.2	SW	2.6	S	2.9	ESE
14:00-15:00 HOUR	3.6	SW	2.6	SE	3.3	ESE
15:00-16:00 HOUR	2.1	SSW	2.0	SSE	2.6	SE
16:00-17:00 HOUR	3.7	SW	2.5	ESE	3.5	ESE
17:00-18:00 HOUR	3.3	SW	2.6	ESE	4.0	SE
18:00-19:00 HOUR	2.9	SSW	2.2	ESE	4.0	ESE
19:00-20:00 HOUR	2.8	SW	3.6	SE	2.3	SSE
20:00-21:00 HOUR	3.1	SW	2.4	SE	3.9	S
21:00-22:00 HOUR	2.0	SSE	3.1	SE	2.3	SSW
22:00-23:00 HOUR	2.5	SW	2.9	SSE	2.4	SSW
23:00-00:00 HOUR	3.7	S	3.7	SSE	3.5	SSW
00:00-01:00 HOUR	2.2	SSE	3.3	SE	2.1	SSW
01:00-02:00 HOUR	3.4	SE	2.3	SE	4.0	SSW
02:00-03:00 HOUR	2.0	SE	2.0	SE	3.2	SW
03:00-04:00 HOUR	2.4	SE	4.0	SSE	3.2	SW
04:00-05:00 HOUR	4.0	SSE	3.1	SSE	2.5	SW
05:00-06:00 HOUR	2.4	SSE	3.9	SSW	3.8	S
06:00-07:00 HOUR	3.2	SSE	3.3	S	2.8	S

TIME *	RESULT (m/s)							
	บริเวณตัวโรงงานทางทิศตะวันออกของบ่อ (AB2)							
	APRIL 22 - 23, 2025		APRIL 23 - 24, 2025		APRIL 24 - 25, 2025		APRIL 25 - 26, 2025	
	T25AJ029-0004		T25AJ029-0005		T25AJ029-0006		T25AJ029-0007	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
07:00-08:00 HOUR	2.7	S	2.6	SSE	2.8	S	3.8	WNW
08:00-09:00 HOUR	2.6	SSW	3.0	S	2.2	SSE	4.0	W
09:00-10:00 HOUR	3.6	S	2.4	SW	3.1	S	2.9	SW
10:00-11:00 HOUR	2.1	SSW	3.6	SW	3.6	S	3.7	WSW
11:00-12:00 HOUR	2.7	SSW	3.0	SW	2.4	SSE	3.1	WSW
12:00-13:00 HOUR	2.8	SE	2.1	SW	3.3	S	3.6	S
13:00-14:00 HOUR	3.4	SE	3.1	W	3.2	S	3.4	SSW
14:00-15:00 HOUR	3.9	SSE	2.3	W	3.5	ESE	2.4	SSE
15:00-16:00 HOUR	3.2	SE	3.3	SW	2.4	ESE	3.2	SSE
16:00-17:00 HOUR	2.2	SSE	2.9	WNW	3.5	SE	2.6	S
17:00-18:00 HOUR	3.8	WSW	3.7	WSW	3.9	SE	3.1	SSE
18:00-19:00 HOUR	3.1	SSW	2.4	WSW	3.2	SSE	2.8	SSE
19:00-20:00 HOUR	3.9	SW	2.8	SW	2.1	SSE	3.3	ESE
20:00-21:00 HOUR	3.7	WSW	3.7	WSW	2.7	SE	2.2	ESE
21:00-22:00 HOUR	3.1	SSW	3.6	WSW	2.7	SSE	2.8	SE
22:00-23:00 HOUR	2.4	SW	2.4	SW	2.2	SSE	3.1	SE
23:00-00:00 HOUR	3.1	S	2.4	SW	3.3	SSW	3.2	SSE
00:00-01:00 HOUR	3.7	WSW	3.4	SSW	3.9	S	2.8	SSE
01:00-02:00 HOUR	3.7	S	2.8	WSW	2.0	SW	3.1	SE
02:00-03:00 HOUR	3.3	SSE	3.7	SW	2.3	W	3.1	SSE
03:00-04:00 HOUR	3.7	SSE	2.9	SSW	3.4	W	2.4	ESE
04:00-05:00 HOUR	3.6	SSE	3.7	SSW	2.4	SW	3.2	ESE
05:00-06:00 HOUR	3.3	SSE	3.9	SSW	3.7	WSW	2.6	ESE
06:00-07:00 HOUR	2.7	S	2.0	SSE	3.6	WNW	3.6	ESE


(MR. SILA BANONGSIARUK)
LABORATORY SUPERVISOR



ภาคผนวก ซ-3

ใบรายงานผลการวิเคราะห์ระดับเสี่ยงทั่วไปในบรรยากาศ

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : บริเวณเริ่มรับโรงงานด้านทิศเหนือ (N1)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : APRIL 19-26, 2025
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : APRIL 19-26, 2025
ANALYTICAL DATE : APRIL 19-26, 2025
ISSUE DATE : MAY 6, 2025
REPORT NO. : 2025-U038528
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ030-0001 - T25AJ030-0007

TIME*	RESULT dB(A)		
	บริเวณเริ่มรับโรงงานด้านทิศเหนือ (N1)		
	APRIL 19 - 20, 2025		
	T25AJ030-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	60.7	70.5	57.6
08:00-09:00 HOUR	60.6	69.5	60.3
09:00-10:00 HOUR	61.6	66.1	61.1
10:00-11:00 HOUR	64.6	69.9	62.3
11:00-12:00 HOUR	64.1	68.3	62.7
12:00-13:00 HOUR	63.4	70.6	62.7
13:00-14:00 HOUR	63.7	70.5	63.2
14:00-15:00 HOUR	64.0	70.9	63.3
15:00-16:00 HOUR	64.1	69.6	63.5
16:00-17:00 HOUR	63.7	70.4	63.0
17:00-18:00 HOUR	63.8	71.2	62.8
18:00-19:00 HOUR	64.4	68.4	63.6
19:00-20:00 HOUR	62.6	70.4	60.8
20:00-21:00 HOUR	61.4	68.2	60.4
21:00-22:00 HOUR	61.3	67.3	60.6
22:00-23:00 HOUR	60.7	70.5	60.0
23:00-00:00 HOUR	60.5	67.8	59.8
00:00-01:00 HOUR	60.4	67.9	59.8
01:00-02:00 HOUR	60.5	67.8	59.6
02:00-03:00 HOUR	60.1	66.6	59.5
03:00-04:00 HOUR	60.2	68.3	59.6
04:00-05:00 HOUR	59.9	64.7	59.1
05:00-06:00 HOUR	60.0	67.4	59.3
06:00-07:00 HOUR	60.6	74.1	59.3
L _{Aeq} 24 hours		62.3	

TIME*	RESULT dB(A)		
	บริเวณเริ่มรับโรงงานด้านทิศเหนือ (N1)		
	APRIL 20 - 21, 2025		
	T25AJ030-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.8	71.4	59.9
08:00-09:00 HOUR	61.8	74.5	60.4
09:00-10:00 HOUR	64.6	72.3	62.1
10:00-11:00 HOUR	63.6	68.7	63.0
11:00-12:00 HOUR	63.5	72.8	62.9
12:00-13:00 HOUR	66.3	71.0	66.0
13:00-14:00 HOUR	63.6	70.5	63.0
14:00-15:00 HOUR	63.7	69.8	63.1
15:00-16:00 HOUR	64.9	77.1	64.3
16:00-17:00 HOUR	65.3	77.7	64.8
17:00-18:00 HOUR	65.3	73.1	64.6
18:00-19:00 HOUR	65.3	69.1	64.8
19:00-20:00 HOUR	65.2	72.0	64.9
20:00-21:00 HOUR	63.1	68.4	62.1
21:00-22:00 HOUR	61.8	70.1	61.4
22:00-23:00 HOUR	62.5	68.9	61.7
23:00-00:00 HOUR	63.0	69.9	62.6
00:00-01:00 HOUR	62.8	70.0	62.2
01:00-02:00 HOUR	63.0	69.4	62.4
02:00-03:00 HOUR	62.8	70.1	62.3
03:00-04:00 HOUR	62.0	66.9	61.1
04:00-05:00 HOUR	61.4	67.1	60.6
05:00-06:00 HOUR	61.8	70.8	61.0
06:00-07:00 HOUR	61.5	68.0	60.8
L _{Aeq} 24 hours		63.6	



TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	APRIL 21 - 22, 2025		
	T25AJ030-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.1	69.4	64.5
08:00-09:00 HOUR	65.6	72.1	64.7
09:00-10:00 HOUR	65.2	70.5	64.6
10:00-11:00 HOUR	65.1	72.6	64.0
11:00-12:00 HOUR	65.5	72.9	63.9
12:00-13:00 HOUR	67.7	76.1	65.6
13:00-14:00 HOUR	67.4	77.5	65.4
14:00-15:00 HOUR	67.3	77.2	65.6
15:00-16:00 HOUR	66.6	72.0	65.4
16:00-17:00 HOUR	65.8	75.3	63.6
17:00-18:00 HOUR	65.6	71.5	63.6
18:00-19:00 HOUR	65.9	72.9	64.1
19:00-20:00 HOUR	65.9	73.7	63.7
20:00-21:00 HOUR	65.7	72.5	63.5
21:00-22:00 HOUR	65.7	73.6	63.7
22:00-23:00 HOUR	59.0	66.8	57.9
23:00-00:00 HOUR	59.3	65.0	58.8
00:00-01:00 HOUR	59.4	68.5	58.4
01:00-02:00 HOUR	59.7	66.7	58.7
02:00-03:00 HOUR	59.2	65.0	57.7
03:00-04:00 HOUR	59.7	66.0	58.1
04:00-05:00 HOUR	59.3	65.1	57.8
05:00-06:00 HOUR	59.3	65.3	57.4
06:00-07:00 HOUR	65.3	72.8	63.8
L _{Aeq} 24 hours		64.7	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	APRIL 22 - 23, 2025		
	T25AJ030-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.1	73.2	63.4
08:00-09:00 HOUR	65.9	75.6	64.4
09:00-10:00 HOUR	67.6	75.1	63.9
10:00-11:00 HOUR	67.0	74.9	64.5
11:00-12:00 HOUR	65.1	70.9	64.0
12:00-13:00 HOUR	66.3	75.4	64.9
13:00-14:00 HOUR	65.5	73.4	63.8
14:00-15:00 HOUR	65.6	72.7	64.2
15:00-16:00 HOUR	65.7	71.9	64.5
16:00-17:00 HOUR	65.4	71.3	64.1
17:00-18:00 HOUR	65.7	79.2	63.9
18:00-19:00 HOUR	65.1	73.6	63.6
19:00-20:00 HOUR	64.6	71.1	63.1
20:00-21:00 HOUR	64.6	75.0	62.8
21:00-22:00 HOUR	63.8	73.7	62.6
22:00-23:00 HOUR	60.2	71.4	58.5
23:00-00:00 HOUR	60.0	71.1	59.1
00:00-01:00 HOUR	60.2	73.5	58.9
01:00-02:00 HOUR	60.5	73.4	58.1
02:00-03:00 HOUR	59.9	67.6	57.9
03:00-04:00 HOUR	60.3	69.2	58.5
04:00-05:00 HOUR	60.8	67.2	59.1
05:00-06:00 HOUR	60.8	67.4	59.3
06:00-07:00 HOUR	64.3	74.1	63.1
L _{Aeq} 24 hours		64.4	

TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกาตามทิศทางเดิน (N1)		
	APRIL 23 - 24, 2025		
	T25AJ030-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.9	74.0	63.3
08:00-09:00 HOUR	64.7	74.0	63.2
09:00-10:00 HOUR	63.9	69.4	63.0
10:00-11:00 HOUR	64.2	73.8	63.3
11:00-12:00 HOUR	64.1	74.2	62.8
12:00-13:00 HOUR	64.1	71.9	63.5
13:00-14:00 HOUR	64.6	72.8	63.3
14:00-15:00 HOUR	64.9	74.2	63.7
15:00-16:00 HOUR	64.6	71.4	63.5
16:00-17:00 HOUR	64.5	71.7	63.2
17:00-18:00 HOUR	64.5	71.0	63.3
18:00-19:00 HOUR	64.5	72.0	63.3
19:00-20:00 HOUR	63.9	70.6	62.5
20:00-21:00 HOUR	63.8	71.8	62.6
21:00-22:00 HOUR	63.6	73.5	62.2
22:00-23:00 HOUR	62.5	68.4	61.6
23:00-00:00 HOUR	61.6	72.2	60.0
00:00-01:00 HOUR	61.4	69.2	60.5
01:00-02:00 HOUR	61.5	74.6	59.9
02:00-03:00 HOUR	60.8	70.5	58.5
03:00-04:00 HOUR	60.2	71.7	58.4
04:00-05:00 HOUR	63.4	70.7	62.7
05:00-06:00 HOUR	63.4	70.0	61.9
06:00-07:00 HOUR	65.2	73.6	63.6
L _{Aeq} 24 hours		63.7	

TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกาตามทิศทางเดิน (N1)		
	APRIL 24 - 25, 2025		
	T25AJ030-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.3	72.6	63.3
08:00-09:00 HOUR	65.5	76.1	63.9
09:00-10:00 HOUR	65.7	75.1	64.1
10:00-11:00 HOUR	66.2	75.9	64.1
11:00-12:00 HOUR	66.5	75.9	63.7
12:00-13:00 HOUR	65.7	76.6	62.7
13:00-14:00 HOUR	66.3	76.9	64.1
14:00-15:00 HOUR	66.7	79.4	64.7
15:00-16:00 HOUR	66.3	77.5	64.7
16:00-17:00 HOUR	66.0	76.2	63.8
17:00-18:00 HOUR	66.1	77.1	62.7
18:00-19:00 HOUR	66.1	76.9	60.7
19:00-20:00 HOUR	66.3	78.4	62.5
20:00-21:00 HOUR	66.2	75.8	63.8
21:00-22:00 HOUR	66.8	76.8	63.8
22:00-23:00 HOUR	64.0	71.9	62.8
23:00-00:00 HOUR	64.0	69.3	63.3
00:00-01:00 HOUR	64.0	68.1	63.0
01:00-02:00 HOUR	64.1	74.4	61.8
02:00-03:00 HOUR	64.0	74.7	62.2
03:00-04:00 HOUR	64.0	72.8	62.2
04:00-05:00 HOUR	64.3	71.9	62.8
05:00-06:00 HOUR	64.8	73.0	62.7
06:00-07:00 HOUR	65.4	77.7	63.0
L _{Aeq} 24 hours		65.5	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	APRIL 25 - 26, 2025		
	T25AJ030-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.0	72.9	63.0
08:00-09:00 HOUR	66.1	78.8	63.5
09:00-10:00 HOUR	66.9	79.4	63.5
10:00-11:00 HOUR	64.6	75.7	63.9
11:00-12:00 HOUR	61.1	69.3	59.7
12:00-13:00 HOUR	60.5	64.9	59.6
13:00-14:00 HOUR	60.2	71.1	58.9
14:00-15:00 HOUR	60.9	68.8	59.8
15:00-16:00 HOUR	61.6	69.8	59.3
16:00-17:00 HOUR	61.8	67.7	59.8
17:00-18:00 HOUR	60.1	67.2	59.7
18:00-19:00 HOUR	60.1	64.1	59.8
19:00-20:00 HOUR	60.2	64.5	59.6
20:00-21:00 HOUR	59.9	63.7	59.3
21:00-22:00 HOUR	60.2	66.8	59.3
22:00-23:00 HOUR	60.8	68.3	60.2
23:00-00:00 HOUR	60.5	69.3	59.9
00:00-01:00 HOUR	60.4	65.4	59.9
01:00-02:00 HOUR	60.1	70.3	59.1
02:00-03:00 HOUR	59.9	66.4	59.5
03:00-04:00 HOUR	60.3	65.0	59.8
04:00-05:00 HOUR	60.4	67.7	59.9
05:00-06:00 HOUR	60.1	64.5	59.6
06:00-07:00 HOUR	60.1	65.8	59.6
L _{Aeq} 24 hours	61.9		

REMARK : ** ISO 1996-1:2016

- ** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)
 ** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540
 ** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548
 ** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjai

(MR. SILA BANJONGJAI) LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : APRIL 19-26, 2025
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : APRIL 19-26, 2025
ANALYTICAL DATE : APRIL 19-26, 2025
ISSUE DATE : MAY 6, 2025
REPORT NO. : 2025-U038529
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ030-0008 - T25AJ030-0014

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)		
	APRIL 19 - 20, 2025		
	T25AJ030-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.7	73.0	54.4
08:00-09:00 HOUR	57.4	67.5	54.4
09:00-10:00 HOUR	57.8	77.5	53.9
10:00-11:00 HOUR	56.6	78.4	53.8
11:00-12:00 HOUR	57.4	75.3	53.4
12:00-13:00 HOUR	54.6	65.9	54.0
13:00-14:00 HOUR	56.7	74.1	54.1
14:00-15:00 HOUR	57.6	82.8	54.0
15:00-16:00 HOUR	55.5	73.2	52.6
16:00-17:00 HOUR	56.7	67.6	53.9
17:00-18:00 HOUR	55.9	73.7	54.6
18:00-19:00 HOUR	57.2	70.2	55.3
19:00-20:00 HOUR	57.1	72.9	55.2
20:00-21:00 HOUR	55.9	68.9	53.5
21:00-22:00 HOUR	55.4	72.1	52.9
22:00-23:00 HOUR	54.9	66.5	52.4
23:00-00:00 HOUR	56.9	79.6	53.3
00:00-01:00 HOUR	54.2	68.4	52.3
01:00-02:00 HOUR	54.5	69.0	52.1
02:00-03:00 HOUR	55.7	72.7	53.1
03:00-04:00 HOUR	54.4	66.3	52.5
04:00-05:00 HOUR	55.5	67.8	53.6
05:00-06:00 HOUR	55.5	68.0	54.1
06:00-07:00 HOUR	56.5	71.4	54.7
L _{Aeq} 24 hours	56.7		



TIME*	RESULT dB(A)		
	บริเวณชั้นล่างโรงงานด้านทิศใต้ (N2)		
	APRIL 20 - 21, 2025		
	T25A030-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.2	71.5	54.1
08:00-09:00 HOUR	58.7	85.1	53.5
09:00-10:00 HOUR	56.5	76.0	52.7
10:00-11:00 HOUR	55.3	68.1	52.9
11:00-12:00 HOUR	56.5	74.5	53.4
12:00-13:00 HOUR	55.6	81.1	54.2
13:00-14:00 HOUR	57.1	73.2	53.9
14:00-15:00 HOUR	57.1	74.6	53.1
15:00-16:00 HOUR	56.7	77.9	52.9
16:00-17:00 HOUR	56.2	71.2	54.1
17:00-18:00 HOUR	56.3	72.5	54.9
18:00-19:00 HOUR	57.4	68.6	55.6
19:00-20:00 HOUR	56.7	67.1	55.1
20:00-21:00 HOUR	56.1	72.4	53.7
21:00-22:00 HOUR	55.9	76.1	52.8
22:00-23:00 HOUR	57.2	74.3	53.8
23:00-00:00 HOUR	55.3	66.9	53.0
00:00-01:00 HOUR	54.7	67.3	53.2
01:00-02:00 HOUR	55.4	66.9	53.2
02:00-03:00 HOUR	55.3	65.6	53.4
03:00-04:00 HOUR	54.3	65.7	52.7
04:00-05:00 HOUR	56.8	76.6	54.6
05:00-06:00 HOUR	55.5	64.6	54.4
06:00-07:00 HOUR	56.4	66.4	55.2
L _{Aeq} 24 hours	56.3		

TIME*	RESULT dB(A)		
	บริเวณชั้นล่างโรงงานด้านทิศใต้ (N2)		
	APRIL 21 - 22, 2025		
	T25A030-0010		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.4	73.5	58.7
08:00-09:00 HOUR	62.2	73.0	59.6
09:00-10:00 HOUR	61.5	74.3	59.0
10:00-11:00 HOUR	61.9	71.4	59.2
11:00-12:00 HOUR	61.9	81.3	59.0
12:00-13:00 HOUR	60.1	76.8	59.0
13:00-14:00 HOUR	61.4	76.0	58.1
14:00-15:00 HOUR	63.2	78.3	59.3
15:00-16:00 HOUR	61.5	82.3	57.6
16:00-17:00 HOUR	63.0	75.1	59.4
17:00-18:00 HOUR	61.2	73.2	59.3
18:00-19:00 HOUR	61.5	71.3	60.0
19:00-20:00 HOUR	62.3	77.8	60.1
20:00-21:00 HOUR	60.8	75.3	58.5
21:00-22:00 HOUR	63.5	89.3	58.8
22:00-23:00 HOUR	61.8	77.2	59.4
23:00-00:00 HOUR	61.8	81.3	58.9
00:00-01:00 HOUR	59.6	70.0	58.7
01:00-02:00 HOUR	61.3	79.5	58.8
02:00-03:00 HOUR	61.1	73.3	59.1
03:00-04:00 HOUR	61.9	75.4	58.4
04:00-05:00 HOUR	59.9	74.3	58.1
05:00-06:00 HOUR	59.4	70.9	58.0
06:00-07:00 HOUR	62.3	82.2	59.3
L _{Aeq} 24 hours	61.6		

TIME*	RESULT dB(A)		
	บริเวณรอบรั้วโรงงานด้านทิศใต้ (N2)		
	APRIL 22 - 23, 2025		
	T25AJ030-0011		
	LAeq 1 hour	LAmx 1 hour	LA90 1 hour
07:00-08:00 HOUR	60.8	70.7	58.7
08:00-09:00 HOUR	62.3	79.2	59.5
09:00-10:00 HOUR	63.3	84.7	58.7
10:00-11:00 HOUR	63.1	75.6	59.9
11:00-12:00 HOUR	63.4	85.5	58.8
12:00-13:00 HOUR	58.4	74.1	57.2
13:00-14:00 HOUR	61.0	73.2	57.8
14:00-15:00 HOUR	62.7	76.1	58.1
15:00-16:00 HOUR	62.0	80.6	57.8
16:00-17:00 HOUR	62.9	84.9	59.7
17:00-18:00 HOUR	61.9	78.9	59.9
18:00-19:00 HOUR	62.1	75.9	60.4
19:00-20:00 HOUR	62.4	71.6	60.9
20:00-21:00 HOUR	61.3	77.9	58.8
21:00-22:00 HOUR	61.5	77.0	58.7
22:00-23:00 HOUR	60.9	71.7	59.2
23:00-00:00 HOUR	61.4	74.6	59.0
00:00-01:00 HOUR	61.0	75.6	59.3
01:00-02:00 HOUR	61.8	82.5	59.8
02:00-03:00 HOUR	61.7	79.2	59.6
03:00-04:00 HOUR	60.6	75.2	58.8
04:00-05:00 HOUR	61.4	82.7	58.9
05:00-06:00 HOUR	60.8	71.9	58.8
06:00-07:00 HOUR	62.2	74.0	60.5
LAeq 24 hours	61.8		

TIME*	RESULT dB(A)		
	บริเวณรอบรั้วโรงงานด้านทิศใต้ (N2)		
	APRIL 23 - 24, 2025		
	T25AJ030-0012		
	LAeq 1 hour	LAmx 1 hour	LA90 1 hour
07:00-08:00 HOUR	61.8	77.0	59.8
08:00-09:00 HOUR	63.3	73.1	59.6
09:00-10:00 HOUR	63.8	83.3	60.2
10:00-11:00 HOUR	62.3	83.4	59.6
11:00-12:00 HOUR	63.7	81.4	59.6
12:00-13:00 HOUR	60.5	71.1	60.2
13:00-14:00 HOUR	62.6	79.1	60.0
14:00-15:00 HOUR	63.6	89.5	59.8
15:00-16:00 HOUR	61.4	78.7	58.1
16:00-17:00 HOUR	62.7	73.4	59.7
17:00-18:00 HOUR	62.1	80.0	60.7
18:00-19:00 HOUR	63.2	75.9	61.6
19:00-20:00 HOUR	62.9	79.3	61.1
20:00-21:00 HOUR	62.0	74.9	59.9
21:00-22:00 HOUR	61.4	77.1	58.7
22:00-23:00 HOUR	63.7	76.0	62.0
23:00-00:00 HOUR	65.9	90.2	62.9
00:00-01:00 HOUR	62.4	76.0	60.1
01:00-02:00 HOUR	63.5	77.9	62.1
02:00-03:00 HOUR	63.9	80.3	62.1
03:00-04:00 HOUR	62.3	74.1	59.4
04:00-05:00 HOUR	64.0	77.4	61.8
05:00-06:00 HOUR	65.2	81.0	64.6
06:00-07:00 HOUR	62.5	77.2	60.5
LAeq 24 hours	63.1		

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศใต้ (N2)		
	APRIL 24 - 25, 2025		
	T25AJ030-0013		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.2	89.5	60.7
08:00-09:00 HOUR	62.5	86.3	58.5
09:00-10:00 HOUR	62.3	83.9	58.4
10:00-11:00 HOUR	61.4	78.8	57.8
11:00-12:00 HOUR	62.7	78.2	58.9
12:00-13:00 HOUR	58.9	70.1	57.4
13:00-14:00 HOUR	61.5	76.8	58.2
14:00-15:00 HOUR	63.3	86.0	58.0
15:00-16:00 HOUR	63.4	81.5	59.1
16:00-17:00 HOUR	63.0	75.9	60.6
17:00-18:00 HOUR	61.5	71.2	60.2
18:00-19:00 HOUR	61.9	73.6	60.4
19:00-20:00 HOUR	62.1	83.5	59.8
20:00-21:00 HOUR	61.2	72.1	58.8
21:00-22:00 HOUR	61.3	77.9	58.4
22:00-23:00 HOUR	61.3	79.7	58.9
23:00-00:00 HOUR	62.3	82.6	59.1
00:00-01:00 HOUR	60.2	76.0	58.6
01:00-02:00 HOUR	61.5	84.2	58.8
02:00-03:00 HOUR	62.1	76.5	59.7
03:00-04:00 HOUR	61.7	80.1	58.1
04:00-05:00 HOUR	60.3	76.9	58.1
05:00-06:00 HOUR	60.3	81.8	58.0
06:00-07:00 HOUR	61.4	76.3	58.9
L _{Aeq} 24 hours		61.8	

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศใต้ (N2)		
	APRIL 25 - 26, 2025		
	T25AJ030-0014		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.4	74.5	58.8
08:00-09:00 HOUR	64.0	84.6	59.3
09:00-10:00 HOUR	62.2	75.8	59.2
10:00-11:00 HOUR	63.0	76.5	59.4
11:00-12:00 HOUR	62.2	74.8	58.9
12:00-13:00 HOUR	58.5	64.9	57.3
13:00-14:00 HOUR	63.0	83.8	57.6
14:00-15:00 HOUR	63.3	76.4	60.0
15:00-16:00 HOUR	60.4	72.3	57.1
16:00-17:00 HOUR	61.6	73.2	59.1
17:00-18:00 HOUR	62.2	72.2	60.2
18:00-19:00 HOUR	62.2	76.0	60.5
19:00-20:00 HOUR	62.8	79.6	61.0
20:00-21:00 HOUR	61.9	74.7	59.3
21:00-22:00 HOUR	60.6	74.8	58.3
22:00-23:00 HOUR	61.7	78.7	58.9
23:00-00:00 HOUR	62.2	83.6	59.1
00:00-01:00 HOUR	60.4	72.1	59.2
01:00-02:00 HOUR	61.4	74.6	59.8
02:00-03:00 HOUR	61.2	71.7	59.5
03:00-04:00 HOUR	60.9	77.7	58.6
04:00-05:00 HOUR	61.1	72.5	58.7
05:00-06:00 HOUR	61.9	84.8	59.5
06:00-07:00 HOUR	62.2	75.2	60.7
L _{Aeq} 24 hours		61.9	

REMARK : ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjairuk
 (MR SILA BANJONGJAIKUK)
 LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING SOURCE : บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : APRIL 19-26, 2025
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MR CHATCHAWAN LUEANLONG

RECEIVED DATE : APRIL 19-26, 2025
ANALYTICAL DATE : APRIL 19-26, 2025
ISSUE DATE : MAY 6, 2025
REPORT NO. : 2025-U038530
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ030-0015 - T25AJ030-0021

TIME*	RESULT dB(A)		
	บริเวณเข้รั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 19 - 20, 2025		
	T25AJ030-0015		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.0	77.3	44.6
08:00-09:00 HOUR	52.7	71.3	48.4
09:00-10:00 HOUR	50.5	65.7	47.7
10:00-11:00 HOUR	59.5	78.5	48.4
11:00-12:00 HOUR	61.3	82.2	52.7
12:00-13:00 HOUR	54.0	67.7	46.7
13:00-14:00 HOUR	52.4	75.4	46.5
14:00-15:00 HOUR	52.7	75.2	47.9
15:00-16:00 HOUR	52.5	71.4	47.0
16:00-17:00 HOUR	50.7	68.7	45.6
17:00-18:00 HOUR	46.0	65.1	41.0
18:00-19:00 HOUR	47.3	70.9	42.3
19:00-20:00 HOUR	49.7	73.3	42.6
20:00-21:00 HOUR	47.6	66.9	41.4
21:00-22:00 HOUR	47.5	65.7	42.8
22:00-23:00 HOUR	48.0	65.4	43.7
23:00-00:00 HOUR	47.4	70.0	42.2
00:00-01:00 HOUR	46.7	66.7	41.6
01:00-02:00 HOUR	45.4	65.7	41.1
02:00-03:00 HOUR	43.1	62.2	40.2
03:00-04:00 HOUR	43.3	64.7	40.2
04:00-05:00 HOUR	45.0	65.9	39.4
05:00-06:00 HOUR	46.7	65.1	41.8
06:00-07:00 HOUR	52.1	77.0	42.2
L _{Aeq} 24 hours		52.7	

TIME*	RESULT dB(A)		
	บริเวณเข้รั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 20 - 21, 2025		
	T25AJ030-0016		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	53.3	78.6	44.0
08:00-09:00 HOUR	51.6	67.3	46.5
09:00-10:00 HOUR	49.7	63.8	47.5
10:00-11:00 HOUR	48.8	70.1	46.6
11:00-12:00 HOUR	49.8	67.1	46.8
12:00-13:00 HOUR	50.4	67.3	48.1
13:00-14:00 HOUR	49.8	65.1	47.4
14:00-15:00 HOUR	50.0	63.7	47.7
15:00-16:00 HOUR	50.1	65.2	47.5
16:00-17:00 HOUR	50.8	74.1	46.2
17:00-18:00 HOUR	47.5	72.8	44.3
18:00-19:00 HOUR	50.4	69.8	44.3
19:00-20:00 HOUR	54.1	74.9	44.9
20:00-21:00 HOUR	46.8	64.7	45.7
21:00-22:00 HOUR	46.0	64.1	44.8
22:00-23:00 HOUR	46.5	64.5	45.4
23:00-00:00 HOUR	47.6	70.0	45.8
00:00-01:00 HOUR	46.8	69.5	44.8
01:00-02:00 HOUR	45.2	65.2	44.5
02:00-03:00 HOUR	44.7	61.7	43.9
03:00-04:00 HOUR	44.9	64.4	43.4
04:00-05:00 HOUR	45.7	66.3	43.6
05:00-06:00 HOUR	50.1	69.6	45.2
06:00-07:00 HOUR	54.6	77.5	47.0
L _{Aeq} 24 hours		49.9	





TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 21 - 22, 2025		
	T25AJ030-0017		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.2	82.6	48.0
08:00-09:00 HOUR	55.4	75.7	52.2
09:00-10:00 HOUR	53.5	66.2	51.5
10:00-11:00 HOUR	55.0	68.2	52.4
11:00-12:00 HOUR	57.1	73.0	52.3
12:00-13:00 HOUR	54.7	72.6	50.9
13:00-14:00 HOUR	55.7	64.3	52.7
14:00-15:00 HOUR	55.5	71.8	53.5
15:00-16:00 HOUR	55.4	72.7	53.5
16:00-17:00 HOUR	55.5	75.0	52.5
17:00-18:00 HOUR	54.9	73.8	51.1
18:00-19:00 HOUR	54.2	77.8	51.2
19:00-20:00 HOUR	56.4	75.9	51.3
20:00-21:00 HOUR	53.5	68.4	51.9
21:00-22:00 HOUR	52.0	66.7	51.2
22:00-23:00 HOUR	52.2	62.2	51.5
23:00-00:00 HOUR	52.5	71.9	51.4
00:00-01:00 HOUR	51.0	67.3	50.1
01:00-02:00 HOUR	50.9	66.2	50.2
02:00-03:00 HOUR	49.5	62.2	48.4
03:00-04:00 HOUR	50.7	66.1	49.9
04:00-05:00 HOUR	49.9	66.1	48.6
05:00-06:00 HOUR	52.1	74.2	49.8
06:00-07:00 HOUR	56.5	80.1	51.5
L _{Aeq} 24 hours		54.3	



TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 22 - 23, 2025		
	T25AJ030-0018		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.5	81.9	51.5
08:00-09:00 HOUR	57.4	79.2	53.7
09:00-10:00 HOUR	55.2	65.5	53.2
10:00-11:00 HOUR	55.1	69.5	53.4
11:00-12:00 HOUR	55.9	78.5	52.6
12:00-13:00 HOUR	54.2	63.6	51.8
13:00-14:00 HOUR	56.2	63.0	53.8
14:00-15:00 HOUR	55.8	62.7	53.6
15:00-16:00 HOUR	55.5	64.0	53.9
16:00-17:00 HOUR	55.2	70.8	53.0
17:00-18:00 HOUR	55.4	79.8	51.9
18:00-19:00 HOUR	57.0	75.6	52.6
19:00-20:00 HOUR	55.9	75.5	52.2
20:00-21:00 HOUR	53.8	71.7	51.7
21:00-22:00 HOUR	53.0	61.4	51.8
22:00-23:00 HOUR	52.6	62.1	51.7
23:00-00:00 HOUR	52.5	61.9	51.7
00:00-01:00 HOUR	52.1	61.7	51.4
01:00-02:00 HOUR	51.7	62.7	49.9
02:00-03:00 HOUR	51.7	62.5	50.2
03:00-04:00 HOUR	51.5	62.1	50.4
04:00-05:00 HOUR	51.2	61.5	49.8
05:00-06:00 HOUR	52.2	64.9	49.7
06:00-07:00 HOUR	55.4	78.2	52.1
L _{Aeq} 24 hours		54.8	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 23 - 24, 2025		
	T25AJ030-0019		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	59.8	81.4	52.6
08:00-09:00 HOUR	57.5	72.8	54.7
09:00-10:00 HOUR	57.0	62.9	53.7
10:00-11:00 HOUR	57.4	67.7	54.2
11:00-12:00 HOUR	57.2	66.0	53.8
12:00-13:00 HOUR	53.1	63.1	50.8
13:00-14:00 HOUR	56.1	69.2	53.3
14:00-15:00 HOUR	54.8	61.4	53.3
15:00-16:00 HOUR	55.6	63.6	53.4
16:00-17:00 HOUR	54.3	62.0	52.9
17:00-18:00 HOUR	53.1	63.4	51.5
18:00-19:00 HOUR	55.3	67.9	52.8
19:00-20:00 HOUR	56.7	73.1	52.6
20:00-21:00 HOUR	52.1	63.0	50.8
21:00-22:00 HOUR	51.4	62.7	50.7
22:00-23:00 HOUR	51.1	63.9	50.4
23:00-00:00 HOUR	52.2	70.7	50.5
00:00-01:00 HOUR	51.3	64.0	50.4
01:00-02:00 HOUR	52.0	62.5	51.0
02:00-03:00 HOUR	50.7	61.4	49.4
03:00-04:00 HOUR	51.6	63.6	50.3
04:00-05:00 HOUR	51.9	66.4	50.0
05:00-06:00 HOUR	52.4	67.3	50.2
06:00-07:00 HOUR	55.3	72.8	51.1
L _{Aeq} 24 hours		54.9	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	APRIL 24 - 25, 2025		
	T25AJ030-0020		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.6	78.7	52.2
08:00-09:00 HOUR	58.1	73.0	54.8
09:00-10:00 HOUR	56.3	67.5	53.7
10:00-11:00 HOUR	55.3	64.5	53.3
11:00-12:00 HOUR	54.7	66.1	52.7
12:00-13:00 HOUR	56.7	77.0	51.5
13:00-14:00 HOUR	55.0	62.7	53.8
14:00-15:00 HOUR	55.4	63.1	53.5
15:00-16:00 HOUR	55.5	69.3	53.0
16:00-17:00 HOUR	54.9	61.9	52.8
17:00-18:00 HOUR	54.5	63.8	52.1
18:00-19:00 HOUR	54.9	65.9	52.3
19:00-20:00 HOUR	57.7	73.5	51.4
20:00-21:00 HOUR	54.4	67.8	52.1
21:00-22:00 HOUR	53.0	62.0	52.4
22:00-23:00 HOUR	52.9	63.0	52.6
23:00-00:00 HOUR	53.2	62.7	52.7
00:00-01:00 HOUR	51.0	61.1	50.1
01:00-02:00 HOUR	50.5	62.4	49.7
02:00-03:00 HOUR	50.3	61.0	49.4
03:00-04:00 HOUR	51.0	62.5	50.0
04:00-05:00 HOUR	50.5	60.9	49.6
05:00-06:00 HOUR	51.2	66.4	48.6
06:00-07:00 HOUR	56.2	77.2	50.8
L _{Aeq} 24 hours		54.9	



TIME*	RESULT dB(A)		
	บริเวณเข้โรงงานด้านทิศตะวันตก (N3)		
	APRIL 25 - 26, 2025		
	T25AJ030-0021		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.4	79.0	51.1
08:00-09:00 HOUR	58.5	72.9	54.6
09:00-10:00 HOUR	55.5	63.1	53.8
10:00-11:00 HOUR	55.9	63.7	54.3
11:00-12:00 HOUR	57.3	66.3	53.9
12:00-13:00 HOUR	54.7	64.4	50.7
13:00-14:00 HOUR	57.9	63.7	55.5
14:00-15:00 HOUR	57.9	67.5	54.4
15:00-16:00 HOUR	56.7	65.0	54.6
16:00-17:00 HOUR	55.9	61.9	53.8
17:00-18:00 HOUR	55.5	67.2	53.0
18:00-19:00 HOUR	54.3	67.7	52.1
19:00-20:00 HOUR	56.1	61.1	53.8
20:00-21:00 HOUR	55.6	64.2	53.8
21:00-22:00 HOUR	55.4	64.6	54.1
22:00-23:00 HOUR	54.9	66.2	52.9
23:00-00:00 HOUR	54.4	62.5	52.3
00:00-01:00 HOUR	55.1	76.2	52.6
01:00-02:00 HOUR	56.4	78.9	52.1
02:00-03:00 HOUR	53.2	65.4	51.6
03:00-04:00 HOUR	52.9	58.3	51.9
04:00-05:00 HOUR	53.2	67.0	51.9
05:00-06:00 HOUR	52.3	65.6	51.5
06:00-07:00 HOUR	52.0	57.4	51.5
L _{Aeq} 24 hours	55.8		

REMARK : ** ISO 1996-1:2016

- ** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)
- ** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540
- ** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548
- ** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
 LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME	: AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.	RECEIVED DATE	: APRIL 19-26, 2025
ADDRESS	: 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160	ANALYTICAL DATE	: APRIL 19-26, 2025
CONTACT INFORMATION	: TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th	ISSUE DATE	: MAY 6, 2025
MEASURING SOURCE	: บริเวณเข้โรงงานด้านทิศตะวันตก (N4)	REPORT NO.	: 2025-U038531
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-011273
MEASURING DATE	: APRIL 19-26, 2025	ANALYSIS NO.	: T25AJ030-0022 - T25AJ030-0028
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER**		
MEASURED BY	: MR CHATCHAWAN LUEANLONG		

TIME*	RESULT dB(A)		
	บริเวณเข้โรงงานด้านทิศตะวันตก (N4)		
	APRIL 19 - 20, 2025		
	T25AJ030-0022		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	48.2	65.7	42.9
08:00-09:00 HOUR	47.5	63.6	44.3
09:00-10:00 HOUR	47.8	58.9	44.5
10:00-11:00 HOUR	69.4	97.6	46.6
11:00-12:00 HOUR	62.1	71.3	54.9
12:00-13:00 HOUR	49.8	70.3	45.6
13:00-14:00 HOUR	52.0	65.1	48.3
14:00-15:00 HOUR	56.7	81.5	47.5
15:00-16:00 HOUR	51.4	79.0	46.4
16:00-17:00 HOUR	48.7	73.5	45.3
17:00-18:00 HOUR	45.3	64.1	40.2
18:00-19:00 HOUR	45.6	61.1	41.6
19:00-20:00 HOUR	46.2	59.2	41.2
20:00-21:00 HOUR	47.2	61.9	41.0
21:00-22:00 HOUR	46.8	59.7	42.9
22:00-23:00 HOUR	45.9	51.1	44.8
23:00-00:00 HOUR	47.3	58.3	46.1
00:00-01:00 HOUR	47.6	53.5	46.5
01:00-02:00 HOUR	46.6	58.1	45.0
02:00-03:00 HOUR	45.0	60.2	41.6
03:00-04:00 HOUR	45.4	59.7	39.7
04:00-05:00 HOUR	45.4	67.5	40.1
05:00-06:00 HOUR	46.2	63.3	40.6
06:00-07:00 HOUR	45.3	63.0	40.8
L _{Aeq} 24 hours	57.0		



TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	APRIL 20 - 21, 2025		
	T25AJ030-0023		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	43.3	65.6	38.2
08:00-09:00 HOUR	40.7	56.4	36.0
09:00-10:00 HOUR	40.7	55.6	36.6
10:00-11:00 HOUR	41.5	60.7	37.6
11:00-12:00 HOUR	39.5	56.2	36.3
12:00-13:00 HOUR	39.1	59.6	35.9
13:00-14:00 HOUR	44.2	64.0	39.2
14:00-15:00 HOUR	42.6	56.6	39.5
15:00-16:00 HOUR	41.8	61.3	38.9
16:00-17:00 HOUR	41.7	55.6	38.5
17:00-18:00 HOUR	41.2	60.9	38.1
18:00-19:00 HOUR	41.7	56.1	38.5
19:00-20:00 HOUR	43.9	56.5	39.1
20:00-21:00 HOUR	42.1	53.5	40.6
21:00-22:00 HOUR	43.7	59.6	42.3
22:00-23:00 HOUR	44.6	55.8	42.9
23:00-00:00 HOUR	44.1	51.0	42.9
00:00-01:00 HOUR	42.8	55.8	41.1
01:00-02:00 HOUR	41.0	52.7	39.9
02:00-03:00 HOUR	41.9	62.2	39.5
03:00-04:00 HOUR	43.5	66.5	39.8
04:00-05:00 HOUR	42.0	55.3	40.3
05:00-06:00 HOUR	44.6	64.8	41.5
06:00-07:00 HOUR	48.2	68.3	43.0
L _{Aeq} 24 hours		43.0	

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	APRIL 21 - 22, 2025		
	T25AJ030-0024		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	46.5	62.9	41.9
08:00-09:00 HOUR	47.6	67.9	41.5
09:00-10:00 HOUR	47.0	53.8	45.5
10:00-11:00 HOUR	47.7	61.0	45.5
11:00-12:00 HOUR	44.5	56.7	41.6
12:00-13:00 HOUR	45.0	62.3	41.6
13:00-14:00 HOUR	48.8	68.1	44.5
14:00-15:00 HOUR	46.0	56.3	44.2
15:00-16:00 HOUR	47.0	61.8	44.8
16:00-17:00 HOUR	49.9	68.4	44.9
17:00-18:00 HOUR	48.5	68.8	45.5
18:00-19:00 HOUR	48.4	61.5	46.3
19:00-20:00 HOUR	48.8	64.9	46.3
20:00-21:00 HOUR	48.7	61.3	46.4
21:00-22:00 HOUR	47.2	57.1	46.2
22:00-23:00 HOUR	47.0	56.9	45.7
23:00-00:00 HOUR	47.1	60.6	46.1
00:00-01:00 HOUR	46.4	54.7	45.4
01:00-02:00 HOUR	46.8	54.1	45.8
02:00-03:00 HOUR	46.3	59.1	44.0
03:00-04:00 HOUR	47.5	61.6	46.1
04:00-05:00 HOUR	48.1	60.8	46.9
05:00-06:00 HOUR	49.6	62.3	47.1
06:00-07:00 HOUR	48.6	63.5	47.5
L _{Aeq} 24 hours		47.6	



TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	APRIL 22 - 23, 2025		
	T25AJ030-0025		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.9	69.3	44.1
08:00-09:00 HOUR	47.7	69.1	45.0
09:00-10:00 HOUR	49.7	62.8	45.1
10:00-11:00 HOUR	48.0	57.8	44.8
11:00-12:00 HOUR	49.2	65.6	44.6
12:00-13:00 HOUR	44.3	58.2	42.3
13:00-14:00 HOUR	47.9	69.2	43.8
14:00-15:00 HOUR	48.2	67.8	44.2
15:00-16:00 HOUR	51.0	62.8	44.8
16:00-17:00 HOUR	48.9	66.4	45.0
17:00-18:00 HOUR	47.5	69.0	43.6
18:00-19:00 HOUR	49.5	61.8	45.7
19:00-20:00 HOUR	49.4	65.6	42.5
20:00-21:00 HOUR	48.1	59.8	46.4
21:00-22:00 HOUR	46.9	56.1	45.9
22:00-23:00 HOUR	47.0	53.9	46.1
23:00-00:00 HOUR	48.3	67.0	46.3
00:00-01:00 HOUR	48.1	65.3	45.7
01:00-02:00 HOUR	46.1	57.3	44.8
02:00-03:00 HOUR	47.6	57.7	46.4
03:00-04:00 HOUR	47.4	64.6	46.2
04:00-05:00 HOUR	47.1	65.0	46.4
05:00-06:00 HOUR	48.7	66.1	46.2
06:00-07:00 HOUR	49.3	60.3	48.1
L _{Aeq} 24 hours		48.4	



TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	APRIL 23 - 24, 2025		
	T25AJ030-0026		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.9	63.3	45.5
08:00-09:00 HOUR	47.9	62.3	45.7
09:00-10:00 HOUR	47.2	59.4	45.9
10:00-11:00 HOUR	48.0	62.4	46.8
11:00-12:00 HOUR	46.1	64.6	44.8
12:00-13:00 HOUR	45.7	70.0	42.1
13:00-14:00 HOUR	48.6	66.4	45.6
14:00-15:00 HOUR	49.9	73.6	45.5
15:00-16:00 HOUR	52.4	79.7	45.6
16:00-17:00 HOUR	51.7	72.0	46.6
17:00-18:00 HOUR	59.5	78.5	54.2
18:00-19:00 HOUR	47.9	66.7	45.8
19:00-20:00 HOUR	48.2	63.9	42.6
20:00-21:00 HOUR	48.4	59.9	46.4
21:00-22:00 HOUR	47.8	66.2	46.3
22:00-23:00 HOUR	46.7	52.4	46.1
23:00-00:00 HOUR	46.8	55.1	46.0
00:00-01:00 HOUR	46.5	60.8	45.7
01:00-02:00 HOUR	46.9	51.9	46.3
02:00-03:00 HOUR	46.6	58.7	46.1
03:00-04:00 HOUR	47.6	65.5	44.8
04:00-05:00 HOUR	48.2	57.7	47.0
05:00-06:00 HOUR	49.1	62.6	47.2
06:00-07:00 HOUR	49.8	65.6	47.5
L _{Aeq} 24 hours		50.2	

TIME*	RESULT dB(A)		
	บริเวณเข้มาโรงงานด้านทิศตะวันตก (N4)		
	APRIL 24 - 25, 2025		
	T25AJ030-0027		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	47.1	62.0	43.2
08:00-09:00 HOUR	47.6	68.8	45.3
09:00-10:00 HOUR	48.5	67.3	44.9
10:00-11:00 HOUR	48.4	57.2	45.2
11:00-12:00 HOUR	47.5	62.4	44.9
12:00-13:00 HOUR	44.1	58.5	42.0
13:00-14:00 HOUR	47.7	60.4	43.4
14:00-15:00 HOUR	48.5	59.8	43.5
15:00-16:00 HOUR	49.3	68.0	45.1
16:00-17:00 HOUR	51.2	64.0	45.3
17:00-18:00 HOUR	47.8	63.0	43.1
18:00-19:00 HOUR	49.2	60.8	45.7
19:00-20:00 HOUR	50.3	63.7	42.1
20:00-21:00 HOUR	50.5	66.0	46.5
21:00-22:00 HOUR	46.9	55.9	46.0
22:00-23:00 HOUR	47.1	52.6	46.1
23:00-00:00 HOUR	47.2	54.6	46.2
00:00-01:00 HOUR	47.1	53.7	45.7
01:00-02:00 HOUR	46.1	53.4	44.8
02:00-03:00 HOUR	47.8	59.4	46.5
03:00-04:00 HOUR	47.7	66.4	46.0
04:00-05:00 HOUR	47.3	61.3	46.1
05:00-06:00 HOUR	48.0	66.1	46.4
06:00-07:00 HOUR	49.4	61.9	48.2
L _{Aeq} 24 hours		48.3	

TIME*	RESULT dB(A)		
	บริเวณเข้มาโรงงานด้านทิศตะวันตก (N4)		
	APRIL 25 - 26, 2025		
	T25AJ030-0028		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.0	63.0	45.8
08:00-09:00 HOUR	48.7	65.5	45.6
09:00-10:00 HOUR	47.2	57.4	46.2
10:00-11:00 HOUR	47.6	61.2	46.5
11:00-12:00 HOUR	46.8	67.8	44.9
12:00-13:00 HOUR	45.7	59.3	40.0
13:00-14:00 HOUR	47.6	62.7	45.8
14:00-15:00 HOUR	53.2	76.0	46.0
15:00-16:00 HOUR	51.8	75.6	46.8
16:00-17:00 HOUR	51.7	69.3	46.6
17:00-18:00 HOUR	62.4	79.5	54.7
18:00-19:00 HOUR	48.4	68.3	45.9
19:00-20:00 HOUR	47.4	63.6	42.9
20:00-21:00 HOUR	50.7	70.9	46.4
21:00-22:00 HOUR	47.7	63.5	46.4
22:00-23:00 HOUR	46.7	52.3	46.0
23:00-00:00 HOUR	46.8	54.3	46.1
00:00-01:00 HOUR	47.1	63.9	45.7
01:00-02:00 HOUR	47.1	54.3	46.4
02:00-03:00 HOUR	46.8	64.9	46.2
03:00-04:00 HOUR	48.2	57.8	46.1
04:00-05:00 HOUR	48.2	60.5	47.0
05:00-06:00 HOUR	48.9	67.8	47.0
06:00-07:00 HOUR	48.7	60.4	47.7
L _{Aeq} 24 hours		51.6	

REMARK : ** ISO 1996-1:2016

** NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

** NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

** NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

** NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553


(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

ภาคผนวก ซ-4

ใบรายงานผลการวิเคราะห์คุณภาพน้ำทิ้ง

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JANUARY 16, 2025
SAMPLING TIME : 10:25 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR NAPASIT SRIPIIM
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JANUARY 16, 2025
ANALYTICAL DATE : JANUARY 16-23, 2025
ISSUE DATE : JANUARY 30, 2025
REPORT NO. : 2025-U007397
WORK NO. : 2024-011273
ANALYSIS NO. : T25AA933-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AA933-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5 (27.8°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2550 B	27.8	≤ 45	-	-
FLUORINE ^c	mg/L F	SPADNS METHOD	0.79	-	0.02	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O ₂ G)	< 2.0	≤ 600	-	2.0
CHEMICAL OXYGEN DEMAND ^c	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	< 40.0	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	< 5.0	≤ 200	-	5.0
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
IRON ^c	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.144	≤ 10.0	0.002	-
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.009	≤ 2.0	0.001	-
MAGNESIUM ^c	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	3.69	-	0.010	-
NICKEL ^c	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.041	≤ 1.0	0.002	-
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.056	≤ 5.0	0.002	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AA933-0001			
TOTAL IRON ^c	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.144	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : FEBRUARY 5, 2025

SAMPLING TIME : 09:20 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR NAPASIT SRIPIM

ANALYZED BY : MISS CHANAPHA MAKHAMART

RECEIVED DATE : FEBRUARY 6, 2025

ANALYTICAL DATE : FEBRUARY 6-19, 2025

ISSUE DATE : FEBRUARY 21, 2025

REPORT NO. : 2025-U014550

WORK NO. : 2024-011273

ANALYSIS NO. : T25AC327-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการตรวจสอบคุณภาพน้ำของโครงการ (W2) T25AC327-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (29.0°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2550 B	29.0	≤ 45	-	-
COLOUR (ORIGINAL pH) ^b	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: PART 2120 F)	< 10	≤ 600	-	10
COLOUR (pH 7.0) ^b	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: PART 2120 F)	< 10	≤ 600	-	10
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.6	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	< 40.0	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	< 5.0	≤ 200	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	418	≤ 3,000	-	25
FLUORIDE ^c	mg/L F	SPADNS METHOD (SM: PART 4500-F D)	0.39	≤ 5	0.02	0.08
FLUORINE ^c	mg/L F	SPADNS METHOD	0.39	-	0.02	-
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.009	≤ 2.0	0.001	-
LEAD ^c	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	ND	≤ 0.2	0.003	-
MAGNESIUM ^c	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	2.77	-	0.010	-
NICKEL ^c	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.034	≤ 1.0	0.002	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการตรวจสอบคุณภาพน้ำของโครงการ (W2) T25AC327-0001			
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.057	≤ 5.0	0.002	-
TOTAL IRON ^c	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.081	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

^A : CUSTOMER INFORMATION

ND : NOT DETECTED.



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR


ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

SAMPLING SOURCE : -

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : MARCH 10, 2025

SAMPLING TIME : 13:15 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR. KANITIN PONGITSARANUPORN

ANALYZED BY : MR. PRAPUNYUT PHAUGNANG

RECEIVED DATE : MARCH 10, 2025

ANALYTICAL DATE : MARCH 10-24, 2025

ISSUE DATE : MARCH 27, 2025

REPORT NO. : 2025-U025785

WORK NO. : 2024-011273

ANALYSIS NO. : T25AF122-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ ทุกค่าพารามิเตอร์ โครงการ (W2) T25AF122-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5 (33.1°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2550 B	33.1	≤ 45	-	-
COLOUR (ORIGINAL pH) ^b	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: PART 2120 F)	< 10	≤ 600	-	10
COLOUR (pH 7.0) ^b	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: PART 2120 F)	< 10	≤ 600	-	10
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	49.3	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	7.3	≤ 200	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	527	≤ 3,000	-	25
FLUORIDE ^c	mg/L F	SPADNS METHOD (SM: PART 4500-F D)	0.64	≤ 5	0.02	0.06
FLUORINE ^c	mg/L F	SPADNS METHOD	0.64	-	0.02	-
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.006	≤ 2.0	0.001	-
LEAD ^c	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.006	≤ 0.2	0.003	-
MAGNESIUM ^c	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	3.27	-	0.010	-
NICKEL ^c	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.036	≤ 1.0	0.002	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ ทุกค่าพารามิเตอร์ โครงการ (W2) T25AF122-0001			
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.055	≤ 5.0	0.002	-
TOTAL IRON ^c	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.165	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

^A : CUSTOMER INFORMATION



(MR. BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR


ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@atg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 9, 2025
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR NAPASIT SRIPIM
ANALYZED BY : MR PRAPUNYUT PHAUNGANG
RECEIVED DATE : APRIL 10, 2025
ANALYTICAL DATE : APRIL 10-23, 2025
ISSUE DATE : MAY 9, 2025
REPORT NO. : 2025-U037916
WORK NO. : 2024-011273
ANALYSIS NO. : T25AH851-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AH851-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (33.7°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2590 B	33.7	≤ 45	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	< 40.0	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	5.3	≤ 200	-	5.0
FLUORINE ^c	mg/L F	SPADNS METHOD	0.74	-	0.02	-
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.009	≤ 2.0	0.001	-
MAGNESIUM ^c	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	3.47	-	0.010	-
NICKEL ^c	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.041	≤ 1.0	0.002	-
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.064	≤ 5.0	0.002	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AH851-0001			
TOTAL IRON ^c	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.136	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR			
SEDIMENT			BLACK			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR





ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 15, 2025
SAMPLING TIME : 13:07 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR NAPASIT SRIPIM
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MAY 16, 2025
ANALYTICAL DATE : MAY 16-28, 2025
ISSUE DATE : JUNE 9, 2025
REPORT NO. : 2025-U049864
WORK NO. : 2024-011273
ANALYSIS NO. : T25AK439-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T25AK439-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.6 (33.7°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	LABORATORY AND FIELD METHODS (SM: PART 2560 B)	33.7	≤ 45	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.4	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	< 40.0	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	< 5.0	≤ 200	-	5.0
FLUORINE ^c	mg/L F	SPADNS METHOD	0.63	-	0.02	-
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER ^c	mg/L Cu	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.004	≤ 2.0	0.001	-
MAGNESIUM ^c	mg/L Mg	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	4.01	-	0.010	-
NICKEL ^c	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.026	≤ 1.0	0.002	-
ZINC ^c	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.047	≤ 5.0	0.002	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T25AK439-0001			
TOTAL IRON ^c	mg/L Fe	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.098	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 11, 2025
SAMPLING TIME : 09:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR NAPASIT SRIPIM
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 11, 2025
ANALYTICAL DATE : JUNE 11-19, 2025
ISSUE DATE : JUNE 20, 2025
REPORT NO. : 2025-U056225
WORK NO. : 2024-011273
ANALYSIS NO. : T25AM677-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AM677-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.6 (33.0°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	LABORATORY AND FIELD METHODS (SM: PART 2550 B)	33.0	≤ 45	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	5-DAY BOD TEST, MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O ₂ G)	2.4	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	< 40.0	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	5.3	≤ 200	-	5.0
FLUORINE ^c	mg/L F	SPADNS METHOD	0.83	-	0.02	-
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER ^c	mg/L Cu	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.007	≤ 2.0	0.001	-
MAGNESIUM ^c	mg/L Mg	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	3.16	-	0.010	-
NICKEL ^c	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.031	≤ 1.0	0.002	-
ZINC ^c	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.036	≤ 5.0	0.002	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T25AM677-0001	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
TOTAL IRON ^b	mg/L Fe	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.288	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : ANNOUNCEMENT OF THE INDUSTRIAL ESTATE AUTHORITY OF THAILAND NO.029/2567 : STANDARD FOR WASTEWATER DRAINAGE INTO THE CENTRAL WASTEWATER TREATMENT PLANT IN THE INDUSTRIAL ESTATE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ภาคผนวก ซ-5

ใบรายงานผลการวิเคราะห์คุณภาพน้ำใต้ดิน

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR MANIT PANCHOT ๓-145-๑-0018
ANALYZED BY : MISS APHORN ONKONG ๓-145-๑-0012

RECEIVED DATE : APRIL 24, 2025
ANALYTICAL DATE : APRIL 24-30, 2025
ISSUE DATE : MAY 7, 2025
REPORT NO. : 2025-U039334
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI705-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการวิเคราะห์ดิน น้ำ ATFB_MW01 T25AI705-0001	REGULATORY STANDARD	DETECTION LIMIT
METALS					
CHROMIUM	mg/L Cr	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	ND	≤ 6.0	0.001
LEAD	mg/L Pb	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.003	≤ 4.0	0.003
MANGANESE	mg/L Mn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	1.75	≤ 33	0.001
NICKEL	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	ND	≤ 5.0	0.002
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.024	≤ 10	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24TH EDITION, 2023.

REGULATORY STANDARD : NOTIFICATION OF MINISTRY OF INDUSTRY IN PRESCRIBING THE CRITERIA ON CONTAMINATION IN SOIL AND GROUNDWATER, THE EXAMINATION OF SOIL AND GROUNDWATER QUALITY, INFORMATION INCLUDING MAKING THE REPORT OF THE RESULT OF SOIL AND GROUNDWATER QUALITY EXAMINATION, AND THE REPORT WHICH SHALL BE PROPOSED THE MEASUREMENT TO CONTROL AND REDUCE THE CONTAMINATION IN SOIL AND GROUNDWATER B.E. 2559 (2016), PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.133, SPECIAL PART 275D DATED NOVEMBER 29, B.E.2559 (2016).

ND : NOT DETECTED.

Bhuchonk p.
(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR
๓-145-๑-0020



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR MANIT PANCHOT ๓-145-๑-0018
ANALYZED BY : MISS APHORN ONKONG ๓-145-๑-0012

RECEIVED DATE : APRIL 24, 2025
ANALYTICAL DATE : APRIL 24-30, 2025
ISSUE DATE : MAY 7, 2025
REPORT NO. : 2025-U039335
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI705-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการวิเคราะห์ดิน น้ำ ATFB_MW02 T25AI705-0002	REGULATORY STANDARD	DETECTION LIMIT
METALS					
CHROMIUM	mg/L Cr	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.002	≤ 6.0	0.001
LEAD	mg/L Pb	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.003	≤ 4.0	0.003
MANGANESE	mg/L Mn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	1.93	≤ 33	0.001
NICKEL	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.003	≤ 5.0	0.002
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.017	≤ 10	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID WHITE		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24TH EDITION, 2023.

REGULATORY STANDARD : NOTIFICATION OF MINISTRY OF INDUSTRY IN PRESCRIBING THE CRITERIA ON CONTAMINATION IN SOIL AND GROUNDWATER, THE EXAMINATION OF SOIL AND GROUNDWATER QUALITY, INFORMATION INCLUDING MAKING THE REPORT OF THE RESULT OF SOIL AND GROUNDWATER QUALITY EXAMINATION, AND THE REPORT WHICH SHALL BE PROPOSED THE MEASUREMENT TO CONTROL AND REDUCE THE CONTAMINATION IN SOIL AND GROUNDWATER B.E. 2559 (2016), PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.133, SPECIAL PART 275D DATED NOVEMBER 29, B.E.2559 (2016).

Bhuchonk p.
(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR
๓-145-๑-0020



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR MANIT PANCHOT ๖-145-๙-0018
ANALYZED BY : MISS APHORN ONKONG ๖-145-๙-0012

RECEIVED DATE : APRIL 24, 2025
ANALYTICAL DATE : APRIL 24-30, 2025
ISSUE DATE : MAY 7, 2025
REPORT NO. : 2025-U039336
WORK NO. : 2024-011273
ANALYSIS NO. : T25AI705-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจน้ำใต้ดินบ่อน้ำ ATFB_MW03 T25AI705-0003		
METALS					
CHROMIUM	mg/L Cr	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.003	≤ 6.0	0.001
LEAD	mg/L Pb	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.011	≤ 4.0	0.003
MANGANESE	mg/L Mn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	17.8	≤ 33	0.001
NICKEL	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.006	≤ 5.0	0.002
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.070	≤ 10	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : NOTIFICATION OF MINISTRY OF INDUSTRY IN PRESCRIBING THE CRITERIA ON CONTAMINATION IN SOIL AND GROUNDWATER, THE EXAMINATION OF SOIL AND GROUNDWATER QUALITY, INFORMATION INCLUDING MAKING THE REPORT OF THE RESULT OF SOIL AND GROUNDWATER QUALITY EXAMINATION, AND THE REPORT WHICH SHALL BE PROPOSED THE MEASUREMENT TO CONTROL AND REDUCE THE CONTAMINATION IN SOIL AND GROUNDWATER B.E. 2559 (2016), PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.133, SPECIAL PART 275D DATED NOVEMBER 29, B.E.2559 (2016).

Bhuchonk P.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR
๖-145-๙-0020



ภาคผนวก ซ-6

ใบรายงานผลการวิเคราะห์คุณภาพอากาศในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเตาหลอมเหล็ก LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:35-17:35 HOUR
SAMPLING BY : MR. SURACHOK LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 13, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047819
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเตาหลอมเหล็ก LINE B1 T25AJ083-0001
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.266
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.038
CHROMIUM ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (NIOSH METHOD 7024)	< 0.001
CADMIUM ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (NIOSH METHOD 7048)	< 0.001
MAGNESIUM ^c	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	0.001
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
ZINC ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	0.006
MANGANESE ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
IRON FUME ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121) AND CALCULATION METHOD	0.014
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

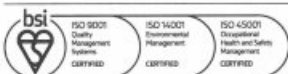
^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเตาหลอมเหล็ก LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:37-17:37 HOUR
SAMPLING BY : MR. SURACHOK LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 13, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047820
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเตาหลอมเหล็ก LINE B2 T25AJ083-0002
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.146
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.020
CHROMIUM ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (NIOSH METHOD 7024)	< 0.001
CADMIUM ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (NIOSH METHOD 7048)	< 0.001
MAGNESIUM ^c	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
ZINC ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	0.010
MANGANESE ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
IRON FUME ^c	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121) AND CALCULATION METHOD	0.007
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.

(MISS BENJAWAN VIRIYOTHA)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเครื่องปั้นแบบ LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:22-17:22 HOUR
SAMPLING BY : MR. SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047821
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องปั้นแบบ LINE B1 T25AJ083-0003
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.494
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.260
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเครื่องปั้นแบบ LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:19-17:19 HOUR
SAMPLING BY : MR. SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047822
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องปั้นแบบ LINE B2 T25AJ083-0004
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.222
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.111
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเชื่อมงาน LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:10-17:10 HOUR
SAMPLING BY : MR SURACHOKE LARTHIO
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047825
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเชื่อมงาน LINE B1 T25AJ083-0007
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	1.86
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.669
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเชื่อมงาน LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:16-17:16 HOUR
SAMPLING BY : MR SURACHOKE LARTHIO
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047826
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเชื่อมงาน LINE B2 T25AJ083-0008
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	2.98
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	1.03
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเครื่องจักรชิ้นงาน LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:12-17:12 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047823
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องจักรชิ้นงาน LINE B1 T25AJ083-0005
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.390
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.235
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเครื่องจักรชิ้นงาน LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:05-17:05 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047824
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องจักรชิ้นงาน LINE B2 T25AJ083-0006
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	< 0.060
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.037
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

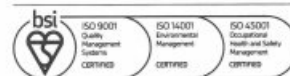
* : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : หน้า Q-VAC LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 08:52-16:52 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 8, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047855
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ084-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			หน้า Q-VAC LINE B1 T25AJ084-0001
TOTAL DUST ^c	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	< 0.060
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.016
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : หน้า Q-VAC LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 08:54-16:54 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 8, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047856
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ084-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			หน้า Q-VAC LINE B2 T25AJ084-0002
TOTAL DUST ^c	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	< 0.060
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.014
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

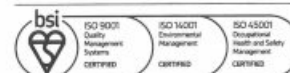
^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณห้องเชื่อมต่อง LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 22, 2025
SAMPLING TIME : 09:26-17:26 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS JETJARAN TUMSA-AT

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 6, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047827
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ083-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณห้องเชื่อมต่อง LINE B1 T25AJ083-0009
TOTAL DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0500, FOURTH EDITION, 15th AUG, 1994	0.129
RESPIRABLE DUST ^a	mg/m ³	NIOSH MANUAL OF ANALYTICAL METHOD (NMAM), METHOD 0600, FOURTH EDITION, 15th AUG, 1994	0.046
SILICA ^c	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเครื่องปัมน้ำมัน
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 27, 2025
SAMPLING TIME : 20:00-23:00 HOUR
SAMPLING BY : MR PHATCHARAPON SAPNGAM
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 16, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047749
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ079-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องปัมน้ำมัน T25AJ079-0001
OIL MIST	mg/m ³	INFRARED METHOD (NIOSH METHOD 5026)	< 0.01
SAMPLE CONDITION			COMPLETE

REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเขตนํ้ามันของ DIPPING LINE
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 24, 2025
SAMPLING TIME : 02:00-02:40 HOUR
SAMPLING BY : MR. SURACHOKE LARTHO
ANALYZED BY : MISS WORAKON PADSONGCHAN

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 7, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047915
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ085-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเขตนํ้ามันของ DIPPING LINE T25AJ085-0001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	0.032
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : บริเวณเขตนํ้ามันของ DIPPING LINE
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 23, 2025
SAMPLING TIME : 08:40-16:40 HOUR
SAMPLING BY : MR. SURACHOKE LARTHO
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 14, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047857
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ084-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเขตนํ้ามันของ DIPPING LINE T25AJ084-0003
2-BUTOXYETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	0.008
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
TIN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
FLUORIDE	mg/m ³	ION SPECIFIC ELECTRODE METHOD (NIOSH METHOD 7902)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7906)	< 0.009
NICKEL	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
PHOSPHORIC ACID	mg/m ³	SORBENT ADSORPTION, ION CHROMATOGRAPHIC METHOD (OSHA METHOD ID 165 SG)	< 0.003
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



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- End of Analysis Report -

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : ภาชนะ LOAD ชั่งงาน
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 24, 2025
SAMPLING TIME : 08:45-16:45 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 14, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047916
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ085-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ภาชนะ UNLOAD ชั่งงาน T25AJ085-0002
2-BUTOXYETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	0.027
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
TIN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
FLUORIDE	mg/m ³	ION SPECIFIC ELECTRODE METHOD (NIOSH METHOD 7902)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7906)	< 0.009
PHOSPHORIC ACID	mg/m ³	SORBENT ADSORPTION, ION CHROMATOGRAPHIC METHOD (OSHA METHOD ID 165 SG)	< 0.003
NICKEL	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
SAMPLING SOURCE : ภาชนะ UNLOAD ชั่งงาน
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : APRIL 24, 2025
SAMPLING TIME : 08:47-16:47 HOUR
SAMPLING BY : MR SURACHOKE LARTHO
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : APRIL 29, 2025
ANALYTICAL DATE : APRIL 29 - MAY 14, 2025
ISSUE DATE : MAY 29, 2025
REPORT NO. : 2025-U047917
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ085-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ภาชนะ UNLOAD ชั่งงาน T25AJ085-0003
2-BUTOXYETHANOL	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	0.020
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
TIN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
FLUORIDE	mg/m ³	ION SPECIFIC ELECTRODE METHOD (NIOSH METHOD 7902)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7906)	< 0.009
PHOSPHORIC ACID	mg/m ³	SORBENT ADSORPTION, ION CHROMATOGRAPHIC METHOD (OSHA METHOD ID 165 SG)	< 0.003
NICKEL	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
SAMPLE CONDITION			COMPLETE

REMARK
RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

Benjawan V.
(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



ภาคผนวก ซ-7

ใบรายงานผลการวิเคราะห์ระดับเสี่ยงในสถานประกอบการ

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008780

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0001

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเตาหลอมเหล็ก LINE B1	
	T25AB684-0001	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:53-09:53	89.3	105.8
09:53-10:53	88.4	106.1
10:53-11:53	83.7	98.3
11:53-12:53	87.5	106.5
12:53-13:53	88.4	105.6
13:53-14:53	84.1	98.6
14:53-15:53	83.2	99.3
15:53-16:53	81.6	97.6
16:53-17:53	87.3	107.9
17:53-18:53	85.0	105.6
18:53-19:53	83.7	100.9
19:53-20:53	83.4	97.9
L _{Aeq} 12 hours	86.2	
L _{Amax} 12 hours	107.9	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
 (MR NATTAWAT DANGSAWAT)
 LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008781

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0002

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเตาหลอมเหล็ก LINE B2	
	T25AB684-0002	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:54-09:54	84.5	100.5
09:54-10:54	83.2	96.1
10:54-11:54	82.9	101.6
11:54-12:54	85.4	104.8
12:54-13:54	85.2	106.6
13:54-14:54	85.0	108.7
14:54-15:54	84.1	106.3
15:54-16:54	77.5	92.6
16:54-17:54	78.3	90.6
17:54-18:54	78.8	91.1
18:54-19:54	80.1	95.2
19:54-20:54	79.9	95.0
L _{Aeq} 12 hours	82.9	
L _{Amax} 12 hours	108.7	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
 (MR NATTAWAT DANGSAWAT)
 LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATIO : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องปั้นแบบ Line B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008782

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0003

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ Line B1	
	T25AB684-0003	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:56-09:56	85.2	95.1
09:56-10:56	85.4	95.8
10:56-11:56	84.0	100.1
11:56-12:56	84.4	95.4
12:56-13:56	84.7	95.2
13:56-14:56	84.9	94.1
14:56-15:56	85.5	97.2
15:56-16:56	84.5	97.3
16:56-17:56	74.2	92.6
17:56-18:56	75.9	94.3
18:56-19:56	76.1	94.5
19:56-20:56	77.0	95.4
L _{Aeq} 12 hours	83.4	
L _{Amax} 12 hours	100.1	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATIO : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องปั้นแบบ Line B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008783

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0004

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ Line B2	
	T25AB684-0004	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:57-09:57	87.4	99.8
09:57-10:57	87.3	95.6
10:57-11:57	85.2	97.8
11:57-12:57	84.6	96.4
12:57-13:57	86.4	98.0
13:57-14:57	87.7	99.9
14:57-15:57	87.7	98.2
15:57-16:57	85.7	96.5
16:57-17:57	76.7	95.5
17:57-18:57	79.5	98.3
18:57-19:57	78.9	89.7
19:57-20:57	77.3	96.1
L _{Aeq} 12 hours	85.2	
L _{Amax} 12 hours	99.9	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATIO : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน Line B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008785
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0005

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน Line B1	
	T25AB684-0005	
	JANUARY 22, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:57-09:57	90.3	104.4
09:57-10:57	89.5	104.1
10:57-11:57	90.2	99.9
11:57-12:57	85.5	99.4
12:57-13:57	90.5	98.6
13:57-14:57	89.7	101.5
14:57-15:57	90.0	100.6
15:57-16:57	90.5	101.8
16:57-17:57	81.2	89.7
17:57-18:57	79.5	92.5
18:57-19:57	75.5	88.5
19:57-20:57	76.4	84.9
L _{Aeq} 12 hours	88.2	
L _{Amax} 12 hours	104.4	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATIO : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน Line B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008788
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0006

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน Line B2	
	T25AB684-0006	
	JANUARY 22, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:55-09:55	89.6	98.2
09:55-10:55	89.8	97.0
10:55-11:55	88.6	98.3
11:55-12:55	84.4	98.5
12:55-13:55	89.8	97.4
13:55-14:55	88.9	95.7
14:55-15:55	89.7	99.9
15:55-16:55	89.5	98.1
16:55-17:55	85.7	98.2
17:55-18:55	84.0	92.1
18:55-19:55	84.5	94.7
19:55-20:55	84.1	93.8
L _{Aeq} 12 hours	88.0	
L _{Amax} 12 hours	99.9	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008790

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0007

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องผสมทราย LINE B1	
	T25AB684-0007	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:59-09:59	88.1	103.0
09:59-10:59	88.6	95.0
10:59-11:59	88.5	95.6
11:59-12:59	84.5	94.6
12:59-13:59	89.1	107.9
13:59-14:59	87.5	94.6
14:59-15:59	88.6	94.7
15:59-16:59	89.2	101.3
16:59-17:59	81.4	91.0
17:59-18:59	70.8	87.5
18:59-19:59	69.6	86.3
19:59-20:59	71.0	87.7
L _{Aeq} 12 hours	86.6	
L _{Amax} 12 hours	107.9	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องผสมทราย Line B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008791

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0008

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องผสมทราย Line B2	
	T25AB684-0008	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:02-10:02	88.6	95.3
10:02-11:02	88.8	96.5
11:02-12:02	87.5	96.5
12:02-13:02	85.7	93.7
13:02-14:02	87.8	92.2
14:02-15:02	88.0	95.3
15:02-16:02	88.7	94.4
16:02-17:02	88.6	96.9
17:02-18:02	77.3	94.5
18:02-19:02	81.2	101.4
19:02-20:02	73.4	93.6
20:02-21:02	75.6	92.8
L _{Aeq} 12 hours	86.5	
L _{Amax} 12 hours	101.4	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : โรงหล่อ Casting Cooler Line B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 21, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025
ANALYTICAL DATE : JANUARY 21, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008792
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0009

TIME* (HOUR)	RESULT (dB(A))	
	โรงหล่อ Casting Cooler Line B1	
	T25AB684-0009	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:08-10:08	86.7	91.8
10:08-11:08	87.0	92.1
11:08-12:08	86.0	95.3
12:08-13:08	82.5	89.5
13:08-14:08	86.7	92.7
14:08-15:08	86.1	91.2
15:08-16:08	86.8	92.9
16:08-17:08	87.2	97.5
17:08-18:08	78.8	93.9
18:08-19:08	77.9	92.3
19:08-20:08	80.1	95.4
20:08-21:08	80.6	95.3
L _{Aeq} 12 hours	85.0	
L _{Amax} 12 hours	97.5	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : โรงหล่อ Casting Cooler Line B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008793
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0010

TIME* (HOUR)	RESULT (dB(A))	
	โรงหล่อ Casting Cooler Line B2	
	T25AB684-0010	
	JANUARY 22, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:06-10:06	91.7	103.3
10:06-11:06	91.5	100.3
11:06-12:06	89.7	100.2
12:06-13:06	88.0	99.7
13:06-14:06	91.7	103.3
14:06-15:06	89.1	96.1
15:06-16:06	90.3	100.6
16:06-17:06	91.0	98.8
17:06-18:06	84.7	97.9
18:06-19:06	80.5	93.7
19:06-20:06	80.0	90.3
20:06-21:06	79.7	91.4
L _{Aeq} 12 hours	89.1	
L _{Amax} 12 hours	103.3	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : โรงงานเหล็ก Line B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008794

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0011

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณโรงงาน Line B1	
	T25AB684-0011	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:09-10:09	98.5	106.9
10:09-11:09	98.3	104.8
11:09-12:09	89.3	103.7
12:09-13:09	98.4	110.3
13:09-14:09	95.7	116.2
14:09-15:09	98.3	104.5
15:09-16:09	99.5	113.0
16:09-17:09	95.1	107.4
17:09-18:09	80.5	86.7
18:09-19:09	88.2	100.5
19:09-20:09	90.6	102.9
20:09-21:09	87.3	99.6
L _{Aeq} 12 hours	95.9	
L _{Amax} 12 hours	116.2	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : โรงงานเหล็ก Line B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : JANUARY 21, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025

ANALYTICAL DATE : JANUARY 21, 2025

ISSUE DATE : FEBRUARY 4, 2025

REPORT NO. : 2025-U008795

WORK NO. : 2024-011273

ANALYSIS NO. : T25AB684-0012

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณโรงงาน Line B2	
	T25AB684-0012	
	JANUARY 21, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:05-10:05	92.3	105.2
10:05-11:05	91.7	105.3
11:05-12:05	90.1	103.8
12:05-13:05	89.9	104.1
13:05-14:05	92.5	106.3
14:05-15:05	92.9	106.1
15:05-16:05	93.5	105.8
16:05-17:05	90.9	104.2
17:05-18:05	82.5	98.3
18:05-19:05	80.1	95.9
19:05-20:05	81.2	93.5
20:05-21:05	81.5	94.8
L _{Aeq} 12 hours	90.3	
L _{Amax} 12 hours	106.3	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : โรงงาน Load ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008796
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0013

TIME* (HOUR)	RESULT (dB(A))	
	โรงงาน Load ชั่งงาน	
	T25AB684-0013	
	JANUARY 22, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:04-10:04	79.9	93.8
10:04-11:04	79.8	94.1
11:04-12:04	79.6	94.2
12:04-13:04	79.8	94.0
13:04-14:04	79.6	89.5
14:04-15:04	79.4	93.2
15:04-16:04	81.9	101.4
16:04-17:04	79.6	96.1
17:04-18:04	79.3	91.7
18:04-19:04	81.9	100.2
19:04-20:04	80.3	96.8
20:04-21:04	79.7	99.2
L _{Aeq} 12 hours	80.2	
L _{Amax} 12 hours	101.4	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
- ** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : โรงงาน Unload ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 4, 2025
REPORT NO. : 2025-U008797
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB684-0014

TIME* (HOUR)	RESULT (dB(A))	
	โรงงาน Unload ชั่งงาน	
	T25AB684-0014	
	JANUARY 22, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
09:05-10:05	79.8	91.2
10:05-11:05	78.8	88.5
11:05-12:05	79.1	90.0
12:05-13:05	77.9	88.8
13:05-14:05	79.2	90.1
14:05-15:05	78.8	91.8
15:05-16:05	79.8	94.3
16:05-17:05	77.7	88.3
17:05-18:05	77.0	88.5
18:05-19:05	77.6	90.2
19:05-20:05	77.5	92.0
20:05-21:05	76.9	87.8
L _{Aeq} 12 hours	78.5	
L _{Amax} 12 hours	94.3	

REMARK :

- ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
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- ** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : เครื่อง LOAD ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038348
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ090-0007

TIME* (HOUR)	RESULT (dB(A))	
	เครื่อง LOAD ชั่งงาน	
	T25AJ090-0007	
	APRIL 23, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:30-09:30	79.7	92.5
09:30-10:30	79.7	87.4
10:30-11:30	79.0	86.6
11:30-12:30	77.2	89.9
12:30-13:30	79.3	86.4
13:30-14:30	79.2	88.1
14:30-15:30	80.6	93.4
15:30-16:30	78.5	92.3
16:30-17:30	78.8	90.5
17:30-18:30	79.4	97.2
18:30-19:30	77.7	89.3
19:30-20:30	79.8	92.6
L _{Aeq} 12 hours	79.2	
L _{Amax} 12 hours	97.2	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
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** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : เครื่อง UNLOAD ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038349
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ090-0008

TIME* (HOUR)	RESULT (dB(A))	
	เครื่อง UNLOAD ชั่งงาน	
	T25AJ090-0008	
	APRIL 23, 2025	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:32-09:32	79.6	89.7
09:32-10:32	79.0	87.6
10:32-11:32	79.2	87.6
11:32-12:32	77.0	86.7
12:32-13:32	79.0	87.7
13:32-14:32	78.9	88.8
14:32-15:32	79.7	91.8
15:32-16:32	77.8	93.2
16:32-17:32	76.5	89.8
17:32-18:32	76.8	92.8
18:32-19:32	74.9	88.0
19:32-20:32	77.4	92.8
L _{Aeq} 12 hours	78.2	
L _{Amax} 12 hours	93.2	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณแยกทาง LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : APRIL 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025
ANALYTICAL DATE : APRIL 22, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038356
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ090-0013

RESULT (dB(A)) บริเวณแยกทาง LINE B1 T25AJ090-0013 APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:45-09:45	95.1	106.5
09:45-10:45	95.7	103.5
10:45-11:45	93.3	105.7
11:45-12:45	89.2	106.1
12:45-13:45	96.1	106.3
13:45-14:45	94.6	103.6
14:45-15:45	92.9	102.0
15:45-16:45	91.1	107.2
16:45-17:45	80.1	88.6
17:45-18:45	76.9	101.2
18:45-19:45	80.2	106.1
19:45-20:45	81.2	89.7
L _{Aeq} 12 hours	92.3	
L _{Amax} 12 hours	107.2	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณแยกทาง LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038357
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ090-0014

RESULT (dB(A)) บริเวณแยกทาง LINE B2 T25AJ090-0014 APRIL 23, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:42-09:42	92.1	105.3
09:42-10:42	92.3	104.1
10:42-11:42	81.6	102.5
11:42-12:42	91.6	104.5
12:42-13:42	91.5	103.0
13:42-14:42	91.7	104.6
14:42-15:42	91.3	101.9
15:42-16:42	86.8	102.7
16:42-17:42	84.5	97.5
17:42-18:42	72.3	90.0
18:42-19:42	75.2	92.9
19:42-20:42	79.4	100.3
L _{Aeq} 12 hours	89.2	
L _{Amax} 12 hours	105.3	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).
** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).
** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DAT : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038338

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0001

RESULT (dB(A))

บริเวณเตาหลอมเหล็ก LINE B1

T25AJ090-0001

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:30-09:30	82.6	106.0
09:30-10:30	83.5	100.3
10:30-11:30	83.9	101.7
11:30-12:30	84.6	103.9
12:30-13:30	84.2	100.7
13:30-14:30	81.7	100.5
14:30-15:30	80.3	99.5
15:30-16:30	75.3	91.9
16:30-17:30	79.4	90.8
17:30-18:30	84.2	99.9
18:30-19:30	84.1	100.6
19:30-20:30	84.2	103.5
L_{Aeq} 12 hours	82.9	
L_{Amax} 12 hours		106.0

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).

** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DAT : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038339

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0002

RESULT (dB(A))

บริเวณเตาหลอมเหล็ก LINE B2

T25AJ090-0002

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:32-09:32	82.3	99.9
09:32-10:32	82.6	100.5
10:32-11:32	83.8	98.1
11:32-12:32	84.3	100.0
12:32-13:32	83.8	103.5
13:32-14:32	84.6	104.3
14:32-15:32	80.3	95.7
15:32-16:32	75.7	88.8
16:32-17:32	77.4	88.2
17:32-18:32	81.0	97.2
18:32-19:32	83.3	97.6
19:32-20:32	84.3	104.0
L_{Aeq} 12 hours	82.6	
L_{Amax} 12 hours		104.3

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 23, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025

ANALYTICAL DATE : APRIL 23, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038340

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0003

RESULT (dB(A))

บริเวณเครื่องปั้นแบบ LINE B1

T25AJ090-0003

APRIL 23, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:34-09:34	85.1	97.3
09:34-10:34	85.6	99.5
10:34-11:34	83.6	95.0
11:34-12:34	84.2	102.6
12:34-13:34	85.0	101.3
13:34-14:34	85.6	98.6
14:34-15:34	85.2	99.7
15:34-16:34	82.5	95.8
16:34-17:34	77.8	94.6
17:34-18:34	72.9	93.0
18:34-19:34	74.7	85.8
19:34-20:34	83.1	97.6
L_{Aeq} 12 hours	83.5	
L_{Amax} 12 hours	102.6	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).

** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

• PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
• THIS ANALYSIS REPORT APPROVES ONLY FOR SUBMITTED SAMPLES.



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DATE : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038343

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0004

RESULT (dB(A))

บริเวณเครื่องปั้นแบบ LINE B2

T25AJ090-0004

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:36-09:36	89.2	101.7
09:36-10:36	89.6	99.4
10:36-11:36	85.1	101.0
11:36-12:36	88.8	99.7
12:36-13:36	90.2	102.1
13:36-14:36	90.5	102.2
14:36-15:36	90.0	102.5
15:36-16:36	86.1	103.0
16:36-17:36	82.8	96.4
17:36-18:36	79.2	95.5
18:36-19:36	72.6	81.6
19:36-20:36	80.9	97.2
L_{Aeq} 12 hours	87.5	
L_{Amax} 12 hours	103.0	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 23, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025

ANALYTICAL DATE : APRIL 23, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038344

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0005

RESULT (dB(A))

บริเวณเครื่องขัดชิ้นงาน LINE B1

T25AJ090-0005

APRIL 23, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:35-09:35	90.8	101.6
09:35-10:35	90.7	101.4
10:35-11:35	90.5	102.5
11:35-12:35	87.4	102.6
12:35-13:35	90.5	101.0
13:35-14:35	89.5	100.6
14:35-15:35	90.4	99.2
15:35-16:35	87.7	102.0
16:35-17:35	79.3	101.6
17:35-18:35	76.9	101.6
18:35-19:35	79.1	103.3
19:35-20:35	84.7	99.9
L_{Aeq} 12 hours	88.4	
L_{Amax} 12 hours	103.3	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DATE : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038346

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0006

RESULT (dB(A))

บริเวณเครื่องขัดชิ้นงาน LINE B2

T25AJ090-0006

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:37-09:37	88.7	102.7
09:37-10:37	88.9	98.2
10:37-11:37	85.8	99.8
11:37-12:37	85.1	100.0
12:37-13:37	88.4	100.7
13:37-14:37	88.4	102.9
14:37-15:37	88.3	98.2
15:37-16:37	87.7	99.9
16:37-17:37	84.9	93.4
17:37-18:37	81.9	98.9
18:37-19:37	76.8	97.7
19:37-20:37	83.0	100.0
L_{Aeq} 12 hours	86.7	
L_{Amax} 12 hours	102.9	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 23, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025

ANALYTICAL DATE : APRIL 23, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038350

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0009

RESULT (dB(A))

บริเวณเครื่องผสมทราย LINE B1

T25AJ090-0009

APRIL 23, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:38-09:38	89.1	95.8
09:38-10:38	88.9	95.5
10:38-11:38	87.2	99.2
11:38-12:38	89.0	99.3
12:38-13:38	88.9	95.4
13:38-14:38	88.9	95.7
14:38-15:38	88.6	95.1
15:38-16:38	88.3	94.9
16:38-17:38	88.6	100.6
17:38-18:38	88.8	95.3
18:38-19:38	89.1	95.9
19:38-20:38	88.6	98.9
L_{Aeq} 12 hours	88.7	
L_{Amax} 12 hours	100.6	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DATE : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038352

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0010

RESULT (dB(A))

บริเวณเครื่องผสมทราย LINE B2

T25AJ090-0010

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:40-09:40	88.2	93.0
09:40-10:40	87.7	93.9
10:40-11:40	83.6	94.4
11:40-12:40	87.2	92.8
12:40-13:40	87.5	92.5
13:40-14:40	87.4	92.0
14:40-15:40	87.7	95.0
15:40-16:40	82.4	92.4
16:40-17:40	76.1	90.9
17:40-18:40	72.9	89.0
18:40-19:40	84.6	93.8
19:40-20:40	83.9	94.7
L_{Aeq} 12 hours	85.7	
L_{Amax} 12 hours	95.0	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : โรงหล่อ CASTING COOLER LINE B1

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 22, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025

ANALYTICAL DAT : APRIL 22, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038353

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0011

RESULT (dB(A))

โรงหล่อ CASTING COOLER LINE B1

T25AJ090-0011

APRIL 22, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:42-09:42	86.6	96.2
09:42-10:42	86.8	97.2
10:42-11:42	85.6	96.5
11:42-12:42	83.0	97.0
12:42-13:42	86.4	95.5
13:42-14:42	85.9	94.4
14:42-15:42	85.8	94.7
15:42-16:42	84.6	96.8
16:42-17:42	79.4	92.7
17:42-18:42	76.2	87.6
18:42-19:42	77.4	94.4
19:42-20:42	84.7	93.6
L _{Aeq} 12 hours	84.6	
L _{Amax} 12 hours	97.2	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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ANALYSIS REPORT

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160

CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th

MEASURING PLACE : โรงหล่อ CASTING COOLER LINE B2

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : APRIL 23, 2025

MEASURING TIME : *

MEASURING EQUIPMEN : INTEGRATED SOUND LEVEL METER**

MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025

ANALYTICAL DAT : APRIL 23, 2025

ISSUE DATE : MAY 2, 2025

REPORT NO. : 2025-U038354

WORK NO. : 2024-011273

ANALYSIS NO. : T25AJ090-0012

RESULT (dB(A))

โรงหล่อ CASTING COOLER LINE B2

T25AJ090-0012

APRIL 23, 2025

TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:40-09:40	88.6	100.3
09:40-10:40	89.0	97.9
10:40-11:40	81.8	101.8
11:40-12:40	88.5	99.0
12:40-13:40	89.1	100.5
13:40-14:40	89.1	101.2
14:40-15:40	88.6	100.0
15:40-16:40	84.4	101.6
16:40-17:40	84.2	96.0
17:40-18:40	72.9	87.5
18:40-19:40	76.6	91.2
19:40-20:40	80.7	100.7
L _{Aeq} 12 hours	86.6	
L _{Amax} 12 hours	101.8	

REMARK : ** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : JANUARY 21, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 21, 2025
ANALYTICAL DATE : JANUARY 21, 2025
ISSUE DATE : FEBRUARY 25, 2025
REPORT NO. : 2025-U015357
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB685-0025, T25AB685-0027 - T25AB685-0028

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT			
			LAVG ^a _{12 HOUR} (dB(A))	TWA ^a _{8 HOUR} (dB(A))	L _{Amax} (dB(A)) ^c	DOSE (%) ^c
T25AB685-0025	บริเวณเครื่องหล่อเย็น LINE B1 (คนรับ)	08:44-20:44	90.9	92.7	122	588
T25AB685-0027	บริเวณแยกงาน LINE B1 (คนเดิน)	08:47-20:47	97.8	99.6	116	2886
T25AB685-0028	บริเวณแยกงาน LINE B2 (คนเดิน)	08:49-20:49	91.9	93.7	111	742

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)

c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

** DEPARTMENT OF LABOR PROTECTION AND WELFARE ANNOUNCEMENT REGARDING STANDARDS, METHODS FOR MEASUREMENT AND ANALYSIS OF WORKING CONDITIONS RELATED TO HEAT LEVELS, LIGHTING, OR NOISE, INCLUDING DURATION AND TYPES OF ACTIVITIES REQUIRED, DATED FEBRUARY 8, B.E. 2561 (2018).

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** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : JANUARY 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 22, 2025
ANALYTICAL DATE : JANUARY 22, 2025
ISSUE DATE : FEBRUARY 25, 2025
REPORT NO. : 2025-U015354
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB685-0023 - T25AB685-0024

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT			
			LAVG ^a _{12 HOUR} (dB(A))	TWA ^a _{8 HOUR} (dB(A))	L _{Amax} (dB(A)) ^c	DOSE (%) ^c
T25AB685-0023	บริเวณเครื่องหล่อเย็น LINE B1 (คนรับ)	08:30-20:30	87.4	89.2	111	264
T25AB685-0024	บริเวณเครื่องหล่อเย็น LINE B2 (คนเดิน)	08:32-20:32	85.5	87.3	113	168

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)

c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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** THE MINISTERIAL REGULATION (MINISTRY OF LABOR) ON ESTABLISHING STANDARDS FOR MANAGEMENT AND IMPLEMENTATION OF OCCUPATIONAL SAFETY, HEALTH, AND ENVIRONMENTAL CONDITIONS RELATED TO HEAT, LIGHTING AND NOISE, DATED OCTOBER 7, B.E. 2559 (2016).

** THE MINISTRY OF INDUSTRY ANNOUNCEMENT REGARDING SAFETY PROTECTION MEASURES FOR INDUSTRIAL OPERATIONS RELATED TO WORKING ENVIRONMENTAL CONDITIONS, DATED NOVEMBER 6, B.E. 2546 (2003).

Nattawat

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : JANUARY 23, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : JANUARY 23, 2025
ANALYTICAL DATE : JANUARY 23, 2025
ISSUE DATE : FEBRUARY 25, 2025
REPORT NO. : 2025-U015358
WORK NO. : 2024-011273
ANALYSIS NO. : T25AB685-0026

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT			
			LAVG ^a 12 HOUR (dB(A))	TWA ^b 8 HOUR (dB(A))	L _{Amax} (dB(A)) ^c	DOSE (%) ^d
T25AB685-0026	บริเวณ CASTING COOLER LINE B2 (คนงาน)	08:30-20:30	93.4	95.2	126	1051

a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : APRIL 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025
ANALYTICAL DATE : APRIL 22, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038330
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ088-0001 - T25AJ088-0006

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT			
			LAVG ^a 12 HOUR (dB(A))	TWA ^b 8 HOUR (dB(A))	L _{Amax} (dB(A)) ^c	DOSE (%) ^d
T25AJ088-0001	บริเวณเครื่องผสมทราย LINE B1 (คนสาธิต)	08:38-20:38	87.2	89.0	115	250
T25AJ088-0002	บริเวณเครื่องผสมทราย LINE B2 (คนเลือก)	08:41-20:41	88.4	90.2	114	332
T25AJ088-0003	บริเวณ CASTING COOLER LINE B1 (คนสแกน)	08:43-20:43	85.8	87.6	113	180
T25AJ088-0004	บริเวณ CASTING COOLER LINE B2 (คนอำพล)	08:44-20:44	92.2	94.0	113	799
T25AJ088-0005	บริเวณเรือแบบ (แยกกัน) LINE B1 (คนสมชาย)	08:46-20:46	92.5	94.3	109	855
T25AJ088-0006	บริเวณเรือแบบ (แยกกัน) LINE B2 (คนรัชฤทธิ์)	08:48-20:48	95.6	97.5	130	1758

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Nattawat.
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

ภาคผนวก ซ-8

ใบรายงานผลการวิเคราะห์ระดับความร้อนบริเวณพื้นที่ปฏิบัติงาน

ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (HEAT STRESS)
MEASURING DATE : APRIL 22, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 22, 2025
ANALYTICAL DATE : APRIL 22, 2025
ISSUE DATE : MAY 2, 2025
REPORT NO. : 2025-U038383
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ082-0001 - T25AJ082-0002,
T25AJ082-0005 - T25AJ082-0012

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB ^c	DB ^c	GT ^c	WGBT ^a	WGBT ^a Avg
T25AJ082-0001	บริเวณเสาหลอมเหล็ก LINE B1 (คนชชาติ)	10:00-11:30 HOUR 11:30-12:00 HOUR	27.5 19.9	30.3 22.5	37.2 23.9	30.4 21.1	28.1
T25AJ082-0002	บริเวณเสาหลอมเหล็ก LINE B2 (คนบนดริ)	10:02-11:32 HOUR 11:32-12:02 HOUR	27.9 19.8	30.8 22.5	38.0 23.9	30.9 21.0	28.4
T25AJ082-0005	เครื่องผสมทราย LINE B1 (คนสาธิต)	10:03-12:03 HOUR	29.3	39.0	39.3	32.3	32.3
T25AJ082-0006	เครื่องผสมทราย LINE B2 (คนแลกขี้)	13:04-15:04 HOUR	24.7	30.4	30.9	26.6	26.6
T25AJ082-0007	บริเวณเครื่องขัดชิ้นงาน LINE B1 (คนปรีชา)	09:57-11:57 HOUR	29.3	35.8	36.1	31.3	31.3
T25AJ082-0008	บริเวณเครื่องขัดชิ้นงาน LINE B2 (คนแลกสีกัด)	09:55-11:55 HOUR	28.7	35.5	36.7	31.1	31.1
T25AJ082-0009	เทเหล็ก LINE B1 (คนแรงคักัด)	13:06-13:36 HOUR 13:36-15:06 HOUR	31.4 25.1	41.0 31.1	42.5 31.4	34.7 27.0	28.9
T25AJ082-0010	เทเหล็ก LINE B2 (คนดองดา)	13:08-13:38 HOUR 13:38-15:08 HOUR	31.0 25.1	40.7 31.4	42.4 31.8	34.4 27.1	28.9
T25AJ082-0011	บริเวณแยกกัน LINE B1 (คนสมชาย)	13:00-15:00 HOUR	28.9	38.1	38.4	31.7	31.7
T25AJ082-0012	บริเวณแยกกัน LINE B2 (คนรักฤทธิ์)	13:03-15:03 HOUR	28.7	37.9	38.3	31.5	31.5

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Nattawat
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LABORATORY SUPERVISOR



ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (HEAT STRESS)
MEASURING DATE : APRIL 23, 2025
MEASURING TIME : *
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE**
MEASURED BY : MISS PORNPIMOL PRACHAPAN

RECEIVED DATE : APRIL 23, 2025
ANALYTICAL DATE : APRIL 23, 2025
ISSUE DATE : MAY 21, 2025
REPORT NO. : 2025-U038384
WORK NO. : 2024-011273
ANALYSIS NO. : T25AJ082-0003 - T25AJ082-0004

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB ^c	DB ^c	GT ^c	WGBT ^a	WGBT ^a Avg
T25AJ082-0003	เครื่องปั้นแบบ LINE B1 (คนสาธิต)	10:00-11:45 HOUR 11:45-12:00 HOUR	28.7 19.9	37.0 23.8	37.4 24.0	31.3 21.1	30.0
T25AJ082-0004	เครื่องปั้นแบบ LINE B2 (คนอุตมเดช)	13:00-14:45 HOUR 14:45-15:00 HOUR	29.4 20.0	37.3 23.9	37.8 24.1	31.9 21.2	30.6

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