

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 : OCTOBER 8, 2024
SAMPLING TIME : 11:00-12:36 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๖-145-๖-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๖-0025

RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-31, 2024
ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102889
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 1 เตาหลอม 1,2,3 LINE B1
			T24AY115-0001 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.25
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
CHLORINE	mg/m ³	ABSORPTION, ION CHROMATOGRAPHIC METHOD (US EPA METHOD 26A)	0.002
COPPER	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
LEAD	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.004
MAGNESIUM	mg/m ³	ISOKINETIC, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (US EPA METHOD 29)	< 0.001
MANGANESE	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
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

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 : OCTOBER 8, 2024
MEASURING TIME : 11:05-11:15 HOUR
MEASURED BY : MR NOPPASIN THANUTHAMMARAT ๖-145-๖-0036

RECEIVED DATE : OCTOBER 8, 2024
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REPORT NO. : 2024-U102891
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 1 เตาหลอม 1,2,3 LINE B1
			T24AY115-0001 ACTUAL OXYGEN
SULPHUR DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 6C)	< 1
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 7E)	< 1
CARBON MONOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 10)	< 1
SAMPLE CONDITION			COMPLETE

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

Nattawat
(MR NATTAWAT DANGSAWAT)
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 : OCTOBER 9, 2024
SAMPLING TIME : 09:30-11:20 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102892
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 5 เตาหลอม 1,2,3 LINE B1 (ผ่าครอบเตาหลอม) T24AY115-0002
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.47
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
CHLORINE	mg/m ³	ABSORPTION, ION CHROMATOGRAPHIC METHOD (US EPA METHOD 26A)	0.004
COPPER	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
LEAD	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.004
MAGNESIUM	mg/m ³	ISOKINETIC, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (US EPA METHOD 29)	0.003
MANGANESE	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
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



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 : OCTOBER 9, 2024
MEASURING TIME : 09:40-09:50 HOUR
MEASURED BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036

RECEIVED DATE : OCTOBER 9, 2024
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ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102894
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 5 เตาหลอม 1,2,3 LINE B1 (ผ่าครอบเตาหลอม) T24AY115-0002
			ACTUAL OXYGEN
SULPHUR DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 6C)	< 1
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 7E)	< 1
CARBON MONOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 10)	< 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



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 : OCTOBER 9, 2024
SAMPLING TIME : 14:00-16:20 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๙-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๙-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102896
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 6 ตารางเลข 1,2,3,4 LINE B2
			T24AY115-0003 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	193
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 130
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 106
CHLORINE	mg/m ³	ABSORPTION, ION CHROMATOGRAPHIC METHOD (US EPA METHOD 26A)	0.019
COPPER	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
LEAD	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.004
MAGNESIUM	mg/m ³	ISOKINETIC, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (US EPA METHOD 29)	0.004
MANGANESE	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
SAMPLE CONDITION			COMPLETE

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

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๓-145-๙-0011



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 : OCTOBER 9, 2024
MEASURING TIME : 14:10-14:20 HOUR
MEASURED BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๙-0036

RECEIVED DATE : OCTOBER 9, 2024
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REPORT NO. : 2024-U102899
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 6 ตารางเลข 1,2,3,4 LINE B2
			T24AY115-0003 ACTUAL OXYGEN
SULPHUR DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 6C)	< 1
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 7E)	< 1
CARBON MONOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 10)	< 1
SAMPLE CONDITION			COMPLETE

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

Nattawat
(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR
๓-145-๙-0021



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 : OCTOBER 9, 2024
SAMPLING TIME : 11:30-14:00 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102902
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 12 (เตาหลอม 1,2,3,4 LINE B2 (ผ่าครอบเตาหลอม)) T24AY115-0004
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.81
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
CHLORINE	mg/m ³	ABSORPTION, ION CHROMATOGRAPHIC METHOD (US EPA METHOD 26A)	0.017
COPPER	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
LEAD	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.004
MAGNESIUM	mg/m ³	ISOKINETIC, DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (US EPA METHOD 29)	0.002
MANGANESE	mg/m ³	ISOKINETIC, DIRECT AIR-ACETYLENE FLAME METHOD (US EPA METHOD 29)	< 0.001
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



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 : OCTOBER 9, 2024
MEASURING TIME : 11:40-11:50 HOUR
MEASURED BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036

RECEIVED DATE : OCTOBER 9, 2024
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ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102905
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 12 (เตาหลอม 1,2,3,4 LINE B2 (ผ่าครอบเตาหลอม)) T24AY115-0004
			ACTUAL OXYGEN
SULPHUR DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 6C)	< 1
OXIDES OF NITROGEN AS NITROGEN DIOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 7E)	< 1
CARBON MONOXIDE	ppm	PORTABLE ANALYZER, ELECTROCHEMICAL METHOD AT SITE (US EPA METHOD 10)	< 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



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 : OCTOBER 8, 2024
SAMPLING TIME : 12:50-14:10 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102906
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 2 การปนเปื้อน LINE B1
			T24AY115-0005 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	2.47
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
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



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 : OCTOBER 8, 2024
SAMPLING TIME : 10:00-11:20 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102908
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 3 การปนเปื้อน LINE B1
			T24AY115-0006 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.81
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
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



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 : OCTOBER 8, 2024
SAMPLING TIME : 10:00-11:00 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ว-145-ก-0036
ANALYZED BY : MISS SUWAN KONGTHONG ว-145-ค-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102910
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 4 การวัดด้วยวิธี LINE B1
			T24AY115-0007 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.35
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
SAMPLE CONDITION			COMPLETE

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

Budsakorn ✓
(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
ว-145-ค-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
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 13:00-14:20 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ว-145-ก-0036
ANALYZED BY : MISS SUWAN KONGTHONG ว-145-ค-0025

RECEIVED DATE : OCTOBER 15, 2024
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REPORT NO. : 2024-U102912
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 7 การวัดด้วยวิธี LINE B2
			T24AY115-0008 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.04
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
SAMPLE CONDITION			COMPLETE

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

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





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3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

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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 : OCTOBER 11, 2024
SAMPLING TIME : 09:30-10:50 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๖-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-31, 2024
ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102914
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 8 การผสมทราย LINE B2 T24AY115-0009
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	2.27
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
SAMPLE CONDITION			COMPLETE

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

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(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR
๖-145-๓-0011

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United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

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 : OCTOBER 9, 2024
SAMPLING TIME : 10:30-11:50 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๖-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๖-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-31, 2024
ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102916
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่อยที่ 9 การฉีดคว้านงาน LINE B2 #1 T24AY115-0010
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	2.08
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
SAMPLE CONDITION			COMPLETE

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

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LABORATORY SUPERVISOR
๖-145-๓-0011

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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 : OCTOBER 9, 2024
SAMPLING TIME : 09:30-10:30 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-31, 2024
ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102920
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ปล่องที่ 10 การขีดควิซงาน LINE B2 #2 T24AY115-0011
			ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.64
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06
SAMPLE CONDITION			COMPLETE

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

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



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
SAMPLING SOURCE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
SAMPLE TYPE : STACK
SAMPLING DATE : OCTOBER 11, 2024
SAMPLING TIME : 09:30-10:50 HOUR
SAMPLING BY : MR NOPPASIN THANUTHAMMARAT ๓-145-๓-0036
ANALYZED BY : MISS SUWAN KONGTHONG ๓-145-๓-0025

RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-31, 2024
ISSUE DATE : NOVEMBER 5, 2024
REPORT NO. : 2024-U102924
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY115-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	
			ปล่องที่ 11 BOILER T24AY115-0012	
			ACTUAL OXYGEN	7% OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m ³	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	1.05	5.39
SULPHUR DIOXIDE	ppm	ABSORPTION, BARIUM-THORIN TITRIMETRIC METHOD AT SITE (US EPA METHOD 6)	< 1.30	< 1.30
OXIDE OF NITROGEN AS NITROGEN DIOXIDE	ppm	ABSORPTION, PHENOLDISULFONIC ACID METHOD (US EPA METHOD 7)	< 1.06	< 1.06
SAMPLE CONDITION			COMPLETE	

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

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LABORATORY SUPERVISOR
๓-145-๓-0011



ภาคผนวก ซ-2

ใบรายงานผลการวิเคราะห์คุณภาพอากาศในบรรยากาศโดยทั่วไป

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 : บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)

SAMPLE TYPE : AMBIENT

SAMPLING DATE : *, **, ***

SAMPLING TIME : *, **, ***

SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET

ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 15, 2024

ANALYTICAL DATE : OCTOBER 15-18, 2024

ISSUE DATE : OCTOBER 25, 2024

REPORT NO. : 2024-U099027

WORK NO. : 2024-000167

ANALYSIS NO. : T24AY104-0008 - T24AY104-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)		
			*	**	***
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	T24AY104-0008	T24AY104-0009	T24AY104-0010
			0.060	0.080	0.063
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)			
			0.049	0.023	0.049
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : 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.

PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.

* : SAMPLING FROM 09:00 HOUR ON OCTOBER 5, 2024 TO 09:00 HOUR ON OCTOBER 6, 2024.

** : SAMPLING FROM 09:00 HOUR ON OCTOBER 6, 2024 TO 09:00 HOUR ON OCTOBER 7, 2024.

*** : SAMPLING FROM 09:00 HOUR ON OCTOBER 7, 2024 TO 09:00 HOUR ON OCTOBER 8, 2024.

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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 : บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)

SAMPLE TYPE : AMBIENT

SAMPLING DATE : *, **, ***

SAMPLING TIME : *, **, ***

SAMPLING BY : MR SIRAPAT JONGPHADUNGKIET

ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 15, 2024

ANALYTICAL DATE : OCTOBER 15-18, 2024

ISSUE DATE : OCTOBER 25, 2024

REPORT NO. : 2024-U099028

WORK NO. : 2024-000167

ANALYSIS NO. : T24AY104-0011 - T24AY104-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)			
			*	**	***	****
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	T24AY104-0011	T24AY104-0012	T24AY104-0013	T24AY104-0014
			0.037	0.033	0.036	0.048
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)				
			0.014	0.021	0.023	0.038
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10

: REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP

: 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.

PM10

: US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.

*

: SAMPLING FROM 09:00 HOUR ON OCTOBER 8, 2024 TO 09:00 HOUR ON OCTOBER 9, 2024.

**

: SAMPLING FROM 09:00 HOUR ON OCTOBER 9, 2024 TO 09:00 HOUR ON OCTOBER 10, 2024.

: SAMPLING FROM 09:00 HOUR ON OCTOBER 10, 2024 TO 09:00 HOUR ON OCTOBER 11, 2024.

: SAMPLING FROM 09:00 HOUR ON OCTOBER 11, 2024 TO 09:00 HOUR ON OCTOBER 12, 2024.

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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 : บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIJET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-18, 2024
ISSUE DATE : OCTOBER 25, 2024
REPORT NO. : 2024-U099025
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY104-0001 - T24AY104-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)		
			*	**	***
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	T24AY104-0001	T24AY104-0002	T24AY104-0003
			0.151	0.035	0.052
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)			
			0.066	0.019	0.021
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 10:00 HOUR ON OCTOBER 5, 2024 TO 10:00 HOUR ON OCTOBER 6, 2024.
** : SAMPLING FROM 10:00 HOUR ON OCTOBER 6, 2024 TO 10:00 HOUR ON OCTOBER 7, 2024.
*** : SAMPLING FROM 10:00 HOUR ON OCTOBER 7, 2024 TO 10:00 HOUR ON OCTOBER 8, 2024.

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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 : บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR SIRAPAT JONGPHADUNGKIJET
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : OCTOBER 15, 2024
ANALYTICAL DATE : OCTOBER 15-18, 2024
ISSUE DATE : OCTOBER 25, 2024
REPORT NO. : 2024-U099026
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY104-0004 - T24AY104-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)			
			*	**	***	****
TOTAL SUSPENDED PARTICULATE MATTER	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	T24AY104-0004	T24AY104-0005	T24AY104-0006	T24AY104-0007
			0.029	0.032	0.038	0.049
PARTICULATE MATTER as PM10 (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)				
			0.018	0.020	0.026	0.035
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

REMARK
TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : 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.
PM10 : US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM10 IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.
* : SAMPLING FROM 10:00 HOUR ON OCTOBER 8, 2024 TO 10:00 HOUR ON OCTOBER 9, 2024.
** : SAMPLING FROM 10:00 HOUR ON OCTOBER 9, 2024 TO 10:00 HOUR ON OCTOBER 10, 2024.
*** : SAMPLING FROM 10:00 HOUR ON OCTOBER 10, 2024 TO 10:00 HOUR ON OCTOBER 11, 2024.
**** : SAMPLING FROM 10:00 HOUR ON OCTOBER 11, 2024 TO 10:00 HOUR ON OCTOBER 12, 2024.

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 70Q/89 MOD 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : OCTOBER 5-12, 2024
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : OCTOBER 5-12, 2024
ANALYTICAL DATE : OCTOBER 5-12, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U098901
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY104-0008 - T24AY104-0014

TIME *	RESULT (m/s)					
	บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)					
	OCTOBER 5-6, 2024		OCTOBER 6-7, 2024		OCTOBER 7-8, 2024	
	T24AY104-0008		T24AY104-0009		T24AY104-0010	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	0.5	ESE	2.9	SSE	2.2	NNE
09:00-10:00 HOUR	1.9	E	2.4	SE	3.3	NE
10:00-11:00 HOUR	1.0	SSW	2.9	ESE	1.9	NNE
11:00-12:00 HOUR	3.4	WSW	2.5	W	0.5	WNW
12:00-13:00 HOUR	2.4	NW	2.4	E	1.5	W
13:00-14:00 HOUR	2.8	SE	2.2	NW	3.2	NNW
14:00-15:00 HOUR	3.2	S	1.7	SSE	2.7	NNE
15:00-16:00 HOUR	3.3	ENE	2.8	NNE	1.0	ESE
16:00-17:00 HOUR	1.9	W	2.9	E	1.2	NE
17:00-18:00 HOUR	1.7	NE	0.6	ENE	1.7	W
18:00-19:00 HOUR	1.3	NNE	3.3	ESE	2.0	WSW
19:00-20:00 HOUR	3.0	SW	3.1	SW	2.9	SSW
20:00-21:00 HOUR	1.8	NW	3.4	NE	1.5	SW
21:00-22:00 HOUR	1.0	WSW	1.8	ESE	1.7	SSW
22:00-23:00 HOUR	1.5	WNW	2.5	NNW	3.3	SSW
23:00-00:00 HOUR	2.3	WNW	2.3	ENE	3.2	NNE
00:00-01:00 HOUR	2.4	SW	3.3	E	2.7	ENE
01:00-02:00 HOUR	3.2	ESE	3.0	S	2.7	NE
02:00-03:00 HOUR	1.2	W	2.9	SW	1.4	NW
03:00-04:00 HOUR	1.2	ESE	2.9	WSW	1.2	SSW
04:00-05:00 HOUR	1.3	SSW	2.4	S	2.7	S
05:00-06:00 HOUR	3.3	NE	1.6	E	0.5	SSW
06:00-07:00 HOUR	0.9	SE	2.8	NNW	0.9	SSE
07:00-08:00 HOUR	1.5	WSW	1.2	NNW	1.4	WSW

TIME *	RESULT (m/s)							
	บริเวณในรั้วโรงงานทางทิศตะวันตกเฉียงใต้ (AB1)							
	OCTOBER 8-9, 2024		OCTOBER 9-10, 2024		OCTOBER 10-11, 2024		OCTOBER 11-12, 2024	
	T24AY104-0011		T24AY104-0012		T24AY104-0013		T24AY104-0014	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.3	SSE	0.8	NE	2.2	WNW	2.2	SSE
09:00-10:00 HOUR	0.5	NE	0.7	E	1.1	NW	0.9	NNE
10:00-11:00 HOUR	1.5	NE	3.3	NE	1.7	NNE	1.4	NW
11:00-12:00 HOUR	0.7	WNW	1.7	WNW	1.2	WSW	0.7	SE
12:00-13:00 HOUR	2.0	NW	2.9	S	0.6	NE	0.8	S
13:00-14:00 HOUR	2.1	S	2.5	SW	0.6	NW	1.4	W
14:00-15:00 HOUR	1.5	W	1.8	S	1.0	NW	3.0	SE
15:00-16:00 HOUR	3.4	SSW	1.4	SSW	1.7	SW	2.3	E
16:00-17:00 HOUR	2.0	NW	1.4	NW	2.4	ESE	1.0	SSW
17:00-18:00 HOUR	3.1	WNW	1.4	SSE	3.3	W	1.0	SSE
18:00-19:00 HOUR	0.9	SSW	2.3	SE	0.5	W	0.8	NW
19:00-20:00 HOUR	1.5	NNE	1.1	SW	3.0	E	1.0	W
20:00-21:00 HOUR	3.0	W	2.2	NNW	0.5	NNE	1.7	WSW
21:00-22:00 HOUR	3.2	W	2.0	SE	2.2	E	1.4	NW
22:00-23:00 HOUR	3.0	E	2.0	SSE	2.9	SSW	2.8	SSE
23:00-00:00 HOUR	2.8	SW	0.9	SW	0.8	WSW	3.4	SSW
00:00-01:00 HOUR	2.5	WSW	2.0	SSW	1.8	S	1.8	SSE
01:00-02:00 HOUR	1.2	SSE	2.2	ESE	1.1	ESE	1.8	ENE
02:00-03:00 HOUR	2.5	SSW	3.0	NNE	1.7	E	3.2	ENE
03:00-04:00 HOUR	1.1	SSE	1.5	S	3.2	WNW	3.0	NW
04:00-05:00 HOUR	3.2	ESE	1.6	SE	0.7	NNE	3.0	E
05:00-06:00 HOUR	2.2	E	2.3	E	2.3	SE	2.3	NE
06:00-07:00 HOUR	1.5	NNE	1.6	NW	2.3	NW	2.3	SSW
07:00-08:00 HOUR	3.4	ENE	1.6	SSE	3.4	SE	3.4	WNW

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 PLACE : บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)
MEASURING TYPE : AMBIENT (AIR)
MEASURING DATE : OCTOBER 5-12, 2024
MEASURING TIME : *
MEASURING METHOD : WIND SPEED & WIND DIRECTION EQUIPMENT
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : OCTOBER 5-12, 2024
ANALYTICAL DATE : OCTOBER 5-12, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U098900
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY104-0001 - T24AY104-0007

TIME *	RESULT (m/s)					
	บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)					
	OCTOBER 5-6, 2024		OCTOBER 6-7, 2024		OCTOBER 7-8, 2024	
	T24AY104-0001		T24AY104-0002		T24AY104-0003	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.2	ENE	1.0	E	2.1	W
09:00-10:00 HOUR	0.7	ENE	0.9	S	0.9	S
10:00-11:00 HOUR	1.8	SW	3.2	S	1.5	W
11:00-12:00 HOUR	2.7	WNW	2.2	SW	1.1	SE
12:00-13:00 HOUR	2.4	E	2.2	ENE	1.8	ENE
13:00-14:00 HOUR	3.2	WSW	0.5	SSE	1.7	SW
14:00-15:00 HOUR	0.9	ENE	3.3	WNW	2.7	E
15:00-16:00 HOUR	2.6	E	1.1	E	2.2	SSE
16:00-17:00 HOUR	2.5	ESE	1.3	WSW	2.2	SSE
17:00-18:00 HOUR	1.1	SW	1.0	ENE	0.6	WSW
18:00-19:00 HOUR	2.3	SSE	0.6	WSW	2.3	W
19:00-20:00 HOUR	1.4	WSW	2.8	ESE	1.4	ESE
20:00-21:00 HOUR	2.1	WNW	1.7	E	0.8	WSW
21:00-22:00 HOUR	1.5	W	2.9	W	1.0	SSW
22:00-23:00 HOUR	2.9	SE	2.4	W	1.5	SW
23:00-00:00 HOUR	1.0	SSE	0.7	SE	1.3	SE
00:00-01:00 HOUR	1.4	E	0.7	WNW	2.2	SSE
01:00-02:00 HOUR	2.6	ESE	1.3	S	1.9	W
02:00-03:00 HOUR	2.6	SW	1.4	ENE	3.1	WNW
03:00-04:00 HOUR	0.9	SW	1.8	SE	1.8	E
04:00-05:00 HOUR	0.7	SE	3.2	WSW	1.4	E
05:00-06:00 HOUR	0.9	E	2.4	WNW	0.8	ENE
06:00-07:00 HOUR	1.9	SW	3.3	WNW	2.1	W
07:00-08:00 HOUR	2.2	SE	0.9	WNW	2.5	WSW

TIME *	RESULT (m/s)							
	บริเวณในรั้วโรงงานทางทิศตะวันออกเฉียงเหนือ (AB2)							
	OCTOBER 8-9, 2024		OCTOBER 9-10, 2024		OCTOBER 10-11, 2024		OCTOBER 11-12, 2024	
	T24AY104-0004		T24AY104-0005		T24AY104-0006		T24AY104-0007	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	3.1	SSE	2.6	SSE	2.6	SSE	1.5	SSE
09:00-10:00 HOUR	2.9	W	2.0	E	2.9	WNW	1.7	WSW
10:00-11:00 HOUR	1.9	S	2.5	SW	2.5	ENE	3.3	WSW
11:00-12:00 HOUR	2.9	S	0.5	SSW	1.4	E	2.8	S
12:00-13:00 HOUR	1.7	SW	2.1	WSW	3.2	ENE	1.5	WSW
13:00-14:00 HOUR	0.7	W	1.4	E	1.9	W	1.9	S
14:00-15:00 HOUR	1.7	NE	0.5	SSE	2.4	SSE	0.6	WNW
15:00-16:00 HOUR	1.2	SSW	2.2	ESE	3.2	SE	1.7	WNW
16:00-17:00 HOUR	1.0	SW	2.6	ENE	2.5	WNW	1.1	NW
17:00-18:00 HOUR	1.1	SSE	2.3	SE	3.1	SE	0.5	SW
18:00-19:00 HOUR	2.7	S	2.3	S	2.8	ESE	1.0	SSE
19:00-20:00 HOUR	2.2	ESE	3.0	ESE	0.5	SW	1.3	ENE
20:00-21:00 HOUR	1.0	SE	0.8	SE	1.5	W	1.9	S
21:00-22:00 HOUR	1.4	SSW	2.3	ENE	1.7	WSW	2.7	ESE
22:00-23:00 HOUR	0.9	W	2.6	SE	1.1	S	2.7	W
23:00-00:00 HOUR	0.5	W	1.4	W	2.2	WSW	1.2	SW
00:00-01:00 HOUR	0.7	SW	0.7	ENE	1.0	W	2.5	SW
01:00-02:00 HOUR	1.9	SW	0.6	SSE	2.0	SE	3.3	W
02:00-03:00 HOUR	2.7	SW	1.4	SE	1.0	S	3.2	SSE
03:00-04:00 HOUR	2.1	WSW	2.1	SW	1.9	WSW	1.1	W
04:00-05:00 HOUR	0.5	SSE	0.6	ESE	1.1	S	0.5	WSW
05:00-06:00 HOUR	2.7	E	1.8	SE	0.6	NW	2.5	ESE
06:00-07:00 HOUR	1.6	SE	2.2	WNW	2.0	SSW	1.0	NW
07:00-08:00 HOUR	2.3	WSW	1.8	E	2.8	SSE	0.5	SW

Sila Banjongjairuk

(MR SILA BANJONGJAIRUK)
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 : บริเวณเขมือโรงงานด้านทิศเหนือ (N1)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : OCTOBER 5-12, 2024
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : OCTOBER 5-12, 2024
ANALYTICAL DATE : OCTOBER 5-12, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U098903
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY105-0001 - T24AY105-0007

TIME*	RESULT dB(A)		
	บริเวณเขมือโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 5-6, 2024		
	T24AY105-0001		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	68.8	76.8	64.7
08:00-09:00 HOUR	66.8	76.0	64.2
09:00-10:00 HOUR	65.5	74.5	63.5
10:00-11:00 HOUR	64.5	71.4	62.2
11:00-12:00 HOUR	64.7	72.7	62.7
12:00-13:00 HOUR	65.6	73.7	63.5
13:00-14:00 HOUR	65.5	74.7	63.4
14:00-15:00 HOUR	67.5	78.3	64.3
15:00-16:00 HOUR	68.2	80.6	65.2
16:00-17:00 HOUR	67.6	80.1	65.1
17:00-18:00 HOUR	68.5	78.3	65.9
18:00-19:00 HOUR	67.5	79.2	65.3
19:00-20:00 HOUR	67.1	78.8	65.2
20:00-21:00 HOUR	66.9	78.1	65.2
21:00-22:00 HOUR	66.5	75.9	64.9
22:00-23:00 HOUR	60.6	72.5	58.6
23:00-00:00 HOUR	59.6	73.3	58.0
00:00-01:00 HOUR	59.5	66.7	58.2
01:00-02:00 HOUR	60.4	70.2	58.8
02:00-03:00 HOUR	61.5	67.4	60.2
03:00-04:00 HOUR	61.5	66.5	60.8
04:00-05:00 HOUR	60.7	68.2	59.4
05:00-06:00 HOUR	61.2	69.9	59.8
06:00-07:00 HOUR	66.7	79.6	64.6
L _{Aeq} 24 hours		65.6	

TIME*	RESULT dB(A)		
	บริเวณเขมือโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 6-7, 2024		
	T24AY105-0002		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	66.9	80.8	64.4
08:00-09:00 HOUR	66.5	74.8	64.1
09:00-10:00 HOUR	67.1	79.2	64.8
10:00-11:00 HOUR	67.2	80.2	64.3
11:00-12:00 HOUR	68.4	79.5	65.3
12:00-13:00 HOUR	65.9	74.4	63.9
13:00-14:00 HOUR	67.1	79.6	64.3
14:00-15:00 HOUR	67.0	83.7	63.6
15:00-16:00 HOUR	67.0	77.4	61.9
16:00-17:00 HOUR	64.4	79.2	61.0
17:00-18:00 HOUR	65.1	75.9	63.2
18:00-19:00 HOUR	64.4	74.7	63.4
19:00-20:00 HOUR	65.0	78.1	63.7
20:00-21:00 HOUR	64.4	73.5	63.6
21:00-22:00 HOUR	64.7	69.3	64.1
22:00-23:00 HOUR	60.2	69.0	59.4
23:00-00:00 HOUR	61.5	69.7	60.6
00:00-01:00 HOUR	60.4	72.7	58.6
01:00-02:00 HOUR	60.1	70.8	57.8
02:00-03:00 HOUR	60.9	72.1	58.2
03:00-04:00 HOUR	60.9	75.8	55.4
04:00-05:00 HOUR	60.6	75.2	58.1
05:00-06:00 HOUR	59.8	72.9	58.5
06:00-07:00 HOUR	65.3	74.3	64.3
L _{Aeq} 24 hours		65.0	



TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 7-8, 2024		
	T24AY105-0003		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.9	69.4	64.1
08:00-09:00 HOUR	65.6	71.3	64.7
09:00-10:00 HOUR	64.8	72.9	64.1
10:00-11:00 HOUR	64.5	72.0	63.8
11:00-12:00 HOUR	65.4	76.9	63.2
12:00-13:00 HOUR	68.6	75.4	67.1
13:00-14:00 HOUR	68.6	79.2	65.7
14:00-15:00 HOUR	68.4	76.2	66.8
15:00-16:00 HOUR	67.6	76.3	65.7
16:00-17:00 HOUR	68.1	84.3	63.5
17:00-18:00 HOUR	66.8	75.9	63.1
18:00-19:00 HOUR	67.7	79.8	64.3
19:00-20:00 HOUR	67.4	77.7	63.7
20:00-21:00 HOUR	67.2	76.2	63.7
21:00-22:00 HOUR	67.0	80.2	63.9
22:00-23:00 HOUR	54.0	69.7	52.9
23:00-00:00 HOUR	53.8	61.8	52.9
00:00-01:00 HOUR	54.3	70.9	53.0
01:00-02:00 HOUR	54.6	60.2	54.1
02:00-03:00 HOUR	54.0	60.6	52.1
03:00-04:00 HOUR	54.3	60.7	52.0
04:00-05:00 HOUR	54.2	61.3	51.7
05:00-06:00 HOUR	54.1	64.8	51.6
06:00-07:00 HOUR	66.1	74.7	63.7
L _{Aeq} 24 hours		65.3	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 8-9, 2024		
	T24AY105-0004		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.5	77.7	62.8
08:00-09:00 HOUR	65.5	74.9	63.7
09:00-10:00 HOUR	67.5	75.7	64.1
10:00-11:00 HOUR	67.4	75.0	64.9
11:00-12:00 HOUR	66.2	72.6	64.6
12:00-13:00 HOUR	67.7	79.3	65.2
13:00-14:00 HOUR	66.9	76.0	64.7
14:00-15:00 HOUR	66.0	75.5	63.9
15:00-16:00 HOUR	66.4	75.6	64.3
16:00-17:00 HOUR	66.5	74.2	64.6
17:00-18:00 HOUR	67.2	87.4	64.0
18:00-19:00 HOUR	65.6	76.0	63.8
19:00-20:00 HOUR	65.0	77.3	62.7
20:00-21:00 HOUR	64.3	77.4	61.5
21:00-22:00 HOUR	62.7	75.2	61.1
22:00-23:00 HOUR	55.9	72.7	53.2
23:00-00:00 HOUR	55.7	74.8	54.3
00:00-01:00 HOUR	55.7	73.3	54.1
01:00-02:00 HOUR	55.8	73.7	51.9
02:00-03:00 HOUR	55.7	71.0	53.5
03:00-04:00 HOUR	56.2	63.5	54.0
04:00-05:00 HOUR	56.3	63.5	54.0
05:00-06:00 HOUR	55.9	62.7	53.6
06:00-07:00 HOUR	64.0	75.6	61.8
L _{Aeq} 24 hours		64.5	

TIME*	RESULT dB(A)		
	บริเวณชั้นล่างโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 9-10, 2024		
	T24AY105-0005		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.7	81.0	62.3
08:00-09:00 HOUR	65.1	74.6	62.9
09:00-10:00 HOUR	63.2	69.4	61.2
10:00-11:00 HOUR	63.6	79.9	61.9
11:00-12:00 HOUR	63.9	81.3	61.5
12:00-13:00 HOUR	63.9	78.5	62.1
13:00-14:00 HOUR	64.6	75.9	61.9
14:00-15:00 HOUR	65.4	80.0	62.9
15:00-16:00 HOUR	64.7	74.8	62.9
16:00-17:00 HOUR	64.4	75.2	62.5
17:00-18:00 HOUR	65.1	76.1	62.2
18:00-19:00 HOUR	64.5	75.7	62.7
19:00-20:00 HOUR	63.8	74.3	61.9
20:00-21:00 HOUR	63.3	74.2	61.3
21:00-22:00 HOUR	63.6	76.8	61.6
22:00-23:00 HOUR	60.2	69.7	57.8
23:00-00:00 HOUR	58.4	73.4	55.9
00:00-01:00 HOUR	58.5	68.0	57.2
01:00-02:00 HOUR	58.1	79.1	54.5
02:00-03:00 HOUR	57.5	71.2	53.8
03:00-04:00 HOUR	56.2	69.5	53.7
04:00-05:00 HOUR	62.4	67.0	61.9
05:00-06:00 HOUR	62.6	74.8	60.5
06:00-07:00 HOUR	65.3	80.1	62.1
L _{Aeq} 24 hours		63.3	

TIME*	RESULT dB(A)		
	บริเวณชั้นล่างโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 10-11, 2024		
	T24AY105-0006		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.6	76.9	62.6
08:00-09:00 HOUR	65.4	82.7	63.2
09:00-10:00 HOUR	65.9	75.4	63.1
10:00-11:00 HOUR	66.8	77.1	63.4
11:00-12:00 HOUR	66.6	79.9	61.6
12:00-13:00 HOUR	66.4	83.1	61.7
13:00-14:00 HOUR	66.9	87.4	62.9
14:00-15:00 HOUR	68.5	85.9	66.5
15:00-16:00 HOUR	67.9	86.6	65.1
16:00-17:00 HOUR	67.2	82.4	63.1
17:00-18:00 HOUR	67.9	85.3	61.7
18:00-19:00 HOUR	68.0	82.9	58.7
19:00-20:00 HOUR	68.2	89.8	60.6
20:00-21:00 HOUR	68.5	78.4	64.5
21:00-22:00 HOUR	68.9	83.7	63.9
22:00-23:00 HOUR	63.5	77.2	61.7
23:00-00:00 HOUR	63.5	68.3	62.8
00:00-01:00 HOUR	63.1	69.5	62.3
01:00-02:00 HOUR	63.1	78.7	58.9
02:00-03:00 HOUR	63.4	80.1	60.4
03:00-04:00 HOUR	63.7	78.2	61.1
04:00-05:00 HOUR	63.3	76.0	61.0
05:00-06:00 HOUR	64.7	78.3	61.7
06:00-07:00 HOUR	66.2	79.4	62.3
L _{Aeq} 24 hours		66.4	

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศเหนือ (N1)		
	OCTOBER 11-12, 2024		
	T24AY105-0007		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	65.3	77.2	61.7
08:00-09:00 HOUR	67.6	85.9	63.5
09:00-10:00 HOUR	69.0	85.7	63.9
10:00-11:00 HOUR	65.0	80.0	63.8
11:00-12:00 HOUR	58.8	72.2	56.5
12:00-13:00 HOUR	56.5	63.9	55.5
13:00-14:00 HOUR	55.7	69.2	54.6
14:00-15:00 HOUR	56.1	68.2	54.7
15:00-16:00 HOUR	55.4	63.1	54.4
16:00-17:00 HOUR	55.5	61.3	54.8
17:00-18:00 HOUR	55.7	66.3	55.0
18:00-19:00 HOUR	55.6	60.5	55.1
19:00-20:00 HOUR	55.5	59.5	55.0
20:00-21:00 HOUR	55.7	60.9	55.1
21:00-22:00 HOUR	55.5	67.0	54.8
22:00-23:00 HOUR	56.4	69.4	55.5
23:00-00:00 HOUR	56.2	72.4	55.5
00:00-01:00 HOUR	55.9	61.5	55.3
01:00-02:00 HOUR	56.2	73.4	54.7
02:00-03:00 HOUR	55.4	63.3	54.7
03:00-04:00 HOUR	55.8	59.8	55.3
04:00-05:00 HOUR	55.7	59.6	55.2
05:00-06:00 HOUR	55.6	60.3	55.2
06:00-07:00 HOUR	55.6	59.4	55.1
L _{Aeq} 24 hours		60.7	


(MR SILA BANJONGJAIRUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.	RECEIVED DATE	: OCTOBER 5-12, 2024
ADDRESS	: 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160	ANALYTICAL DATE	: OCTOBER 5-12, 2024
CONTACT INFORMATION	: TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th	ISSUE DATE	: OCTOBER 24, 2024
MEASURING SOURCE	: บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)	REPORT NO.	: 2024-U098904
MEASURING TYPE	: AMBIENT (NOISE)	WORK NO.	: 2024-000167
MEASURING DATE	: OCTOBER 5-12, 2024	ANALYSIS NO.	: T24AY105-0008 - T24AY105-0014
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR SIRAPAT JONGPHADUNGKIET		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)		
	OCTOBER 5-6, 2024		
	T24AY105-0008		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	63.3	86.5	56.9
08:00-09:00 HOUR	63.0	81.1	55.6
09:00-10:00 HOUR	61.5	83.6	56.0
10:00-11:00 HOUR	60.5	85.7	56.7
11:00-12:00 HOUR	57.9	72.2	56.9
12:00-13:00 HOUR	57.6	70.1	57.0
13:00-14:00 HOUR	58.1	70.1	57.4
14:00-15:00 HOUR	58.8	75.1	57.2
15:00-16:00 HOUR	58.3	90.6	56.9
16:00-17:00 HOUR	57.5	69.9	56.6
17:00-18:00 HOUR	57.1	67.3	56.5
18:00-19:00 HOUR	56.8	69.1	56.3
19:00-20:00 HOUR	57.6	78.9	53.9
20:00-21:00 HOUR	58.3	78.7	54.3
21:00-22:00 HOUR	62.4	85.0	55.1
22:00-23:00 HOUR	54.1	76.5	51.8
23:00-00:00 HOUR	53.7	75.9	48.7
00:00-01:00 HOUR	54.0	79.7	50.1
01:00-02:00 HOUR	53.8	72.7	48.8
02:00-03:00 HOUR	54.7	69.8	53.7
03:00-04:00 HOUR	54.7	67.1	53.7
04:00-05:00 HOUR	54.5	74.4	53.4
05:00-06:00 HOUR	54.6	61.1	54.0
06:00-07:00 HOUR	59.5	72.0	55.3
L _{Aeq} 24 hours		58.6	



TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)		
	OCTOBER 6-7, 2024		
	T24AY105-0009		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	59.8	77.7	55.3
08:00-09:00 HOUR	60.8	80.1	53.5
09:00-10:00 HOUR	60.0	91.2	50.7
10:00-11:00 HOUR	60.8	84.4	50.1
11:00-12:00 HOUR	58.3	82.0	54.0
12:00-13:00 HOUR	56.8	68.8	53.9
13:00-14:00 HOUR	58.5	71.0	51.9
14:00-15:00 HOUR	59.2	75.2	50.7
15:00-16:00 HOUR	58.6	83.9	51.4
16:00-17:00 HOUR	64.6	90.0	53.9
17:00-18:00 HOUR	60.8	84.9	57.5
18:00-19:00 HOUR	60.7	80.8	58.0
19:00-20:00 HOUR	60.7	74.2	58.1
20:00-21:00 HOUR	60.6	71.6	56.8
21:00-22:00 HOUR	61.1	81.5	56.8
22:00-23:00 HOUR	54.7	62.0	54.1
23:00-00:00 HOUR	54.7	59.7	54.0
00:00-01:00 HOUR	54.8	57.4	54.3
01:00-02:00 HOUR	54.7	60.5	54.3
02:00-03:00 HOUR	54.7	59.5	54.3
03:00-04:00 HOUR	54.7	58.7	54.3
04:00-05:00 HOUR	54.7	58.4	54.2
05:00-06:00 HOUR	54.8	58.4	54.2
06:00-07:00 HOUR	57.6	71.2	56.8
L _{Aeq} 24 hours	59.1		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศใต้ (N2)		
	OCTOBER 7-8, 2024		
	T24AY105-0010		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.5	71.3	56.8
08:00-09:00 HOUR	58.3	78.7	57.0
09:00-10:00 HOUR	56.7	84.3	55.3
10:00-11:00 HOUR	57.3	71.0	56.8
11:00-12:00 HOUR	56.5	70.1	55.3
12:00-13:00 HOUR	56.4	71.3	55.7
13:00-14:00 HOUR	56.9	84.3	55.6
14:00-15:00 HOUR	59.1	84.4	56.6
15:00-16:00 HOUR	64.6	85.6	56.9
16:00-17:00 HOUR	63.3	86.3	59.5
17:00-18:00 HOUR	61.6	82.4	59.1
18:00-19:00 HOUR	59.7	78.1	58.6
19:00-20:00 HOUR	60.3	77.6	58.2
20:00-21:00 HOUR	60.6	77.9	57.5
21:00-22:00 HOUR	61.1	78.4	58.1
22:00-23:00 HOUR	54.7	59.3	54.1
23:00-00:00 HOUR	54.3	60.4	53.8
00:00-01:00 HOUR	54.0	60.0	53.4
01:00-02:00 HOUR	53.6	59.0	53.1
02:00-03:00 HOUR	54.1	58.2	53.6
03:00-04:00 HOUR	54.6	58.7	54.0
04:00-05:00 HOUR	54.5	60.1	53.7
05:00-06:00 HOUR	54.0	62.4	53.4
06:00-07:00 HOUR	57.7	71.2	57.1
L _{Aeq} 24 hours	58.8		

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศใต้ (N2)		
	OCTOBER 8-9, 2024		
	T24AY105-0011		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.8	78.2	57.2
08:00-09:00 HOUR	58.3	78.1	56.9
09:00-10:00 HOUR	57.0	69.0	56.7
10:00-11:00 HOUR	56.1	70.5	55.4
11:00-12:00 HOUR	55.5	69.6	54.5
12:00-13:00 HOUR	55.8	72.2	54.8
13:00-14:00 HOUR	57.3	80.7	54.7
14:00-15:00 HOUR	61.7	84.7	55.9
15:00-16:00 HOUR	63.8	84.4	57.1
16:00-17:00 HOUR	63.8	83.6	60.1
17:00-18:00 HOUR	61.2	74.9	59.4
18:00-19:00 HOUR	60.8	76.8	58.9
19:00-20:00 HOUR	60.6	79.2	58.7
20:00-21:00 HOUR	58.7	81.6	56.6
21:00-22:00 HOUR	61.7	70.3	58.3
22:00-23:00 HOUR	53.9	56.9	53.3
23:00-00:00 HOUR	54.0	63.1	53.3
00:00-01:00 HOUR	54.0	61.9	53.2
01:00-02:00 HOUR	53.6	62.3	52.9
02:00-03:00 HOUR	53.9	61.6	52.1
03:00-04:00 HOUR	53.0	64.8	51.5
04:00-05:00 HOUR	51.2	64.7	50.1
05:00-06:00 HOUR	51.0	68.0	50.1
06:00-07:00 HOUR	58.9	70.1	58.4
L _{Aeq} 24 hours	58.8		

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศใต้ (N2)		
	OCTOBER 9-10, 2024		
	T24AY105-0012		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	59.2	82.1	58.3
08:00-09:00 HOUR	57.4	69.0	56.4
09:00-10:00 HOUR	59.0	73.1	58.5
10:00-11:00 HOUR	57.3	69.0	56.5
11:00-12:00 HOUR	56.7	70.4	55.8
12:00-13:00 HOUR	57.7	83.7	55.5
13:00-14:00 HOUR	59.6	84.5	54.9
14:00-15:00 HOUR	63.5	89.7	56.0
15:00-16:00 HOUR	63.6	87.3	57.3
16:00-17:00 HOUR	61.4	87.1	59.1
17:00-18:00 HOUR	60.4	74.5	58.2
18:00-19:00 HOUR	60.7	74.8	58.6
19:00-20:00 HOUR	62.5	82.0	57.7
20:00-21:00 HOUR	60.6	76.9	56.6
21:00-22:00 HOUR	61.8	71.2	58.0
22:00-23:00 HOUR	50.4	61.7	49.8
23:00-00:00 HOUR	51.6	80.0	47.9
00:00-01:00 HOUR	51.5	70.7	47.3
01:00-02:00 HOUR	51.9	66.8	50.0
02:00-03:00 HOUR	51.4	67.4	49.1
03:00-04:00 HOUR	52.1	66.9	50.2
04:00-05:00 HOUR	51.5	73.5	48.8
05:00-06:00 HOUR	51.6	73.4	47.5
06:00-07:00 HOUR	56.4	71.3	55.7
L _{Aeq} 24 hours	59.0		

TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกา (N2)		
	OCTOBER 10-11, 2024		
	T24AY105-0013		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.5	81.6	55.4
08:00-09:00 HOUR	55.8	75.0	55.0
09:00-10:00 HOUR	55.8	67.3	55.1
10:00-11:00 HOUR	56.7	71.7	55.9
11:00-12:00 HOUR	58.8	80.0	55.3
12:00-13:00 HOUR	59.1	86.2	54.1
13:00-14:00 HOUR	64.2	84.7	55.4
14:00-15:00 HOUR	64.0	84.8	60.8
15:00-16:00 HOUR	62.1	84.2	60.0
16:00-17:00 HOUR	59.8	76.7	58.3
17:00-18:00 HOUR	61.4	73.6	59.4
18:00-19:00 HOUR	61.1	87.7	57.2
19:00-20:00 HOUR	61.8	70.5	58.2
20:00-21:00 HOUR	61.5	75.0	57.3
21:00-22:00 HOUR	63.1	79.9	58.6
22:00-23:00 HOUR	51.8	73.7	46.6
23:00-00:00 HOUR	51.6	70.0	48.7
00:00-01:00 HOUR	52.0	57.7	51.7
01:00-02:00 HOUR	47.9	64.2	46.8
02:00-03:00 HOUR	48.3	60.5	47.2
03:00-04:00 HOUR	48.6	61.5	46.7
04:00-05:00 HOUR	48.5	66.3	47.0
05:00-06:00 HOUR	48.1	68.4	46.5
06:00-07:00 HOUR	61.6	69.2	59.2
L _{Aeq} 24 hours	59.4		

TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกา (N2)		
	OCTOBER 11-12, 2024		
	T24AY105-0014		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	62.7	67.5	60.1
08:00-09:00 HOUR	60.7	71.3	57.3
09:00-10:00 HOUR	62.8	76.2	59.7
10:00-11:00 HOUR	61.9	69.0	59.6
11:00-12:00 HOUR	60.6	78.4	57.5
12:00-13:00 HOUR	59.6	70.8	57.5
13:00-14:00 HOUR	60.6	70.2	57.9
14:00-15:00 HOUR	61.1	71.2	58.0
15:00-16:00 HOUR	61.3	72.0	58.5
16:00-17:00 HOUR	61.7	74.9	58.9
17:00-18:00 HOUR	62.5	76.6	58.8
18:00-19:00 HOUR	61.6	69.7	58.3
19:00-20:00 HOUR	63.6	81.9	59.6
20:00-21:00 HOUR	59.1	72.6	56.6
21:00-22:00 HOUR	57.5	65.6	56.1
22:00-23:00 HOUR	49.3	65.3	48.2
23:00-00:00 HOUR	49.4	54.7	48.7
00:00-01:00 HOUR	48.8	61.6	48.0
01:00-02:00 HOUR	47.9	61.7	45.9
02:00-03:00 HOUR	49.2	61.5	47.7
03:00-04:00 HOUR	48.1	64.1	46.9
04:00-05:00 HOUR	46.0	58.3	44.9
05:00-06:00 HOUR	50.9	59.7	46.1
06:00-07:00 HOUR	64.8	87.0	57.8
L _{Aeq} 24 hours	60.1		

Sila Banjongjairuk

(MR. SILA BANJONGJAIRUK)
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 : บริเวณเริ่มวัดโรงงานด้านทิศตะวันออก (N3)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : OCTOBER 5-12, 2024
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET

RECEIVED DATE : OCTOBER 5-12, 2024
ANALYTICAL DATE : OCTOBER 5-12, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U098905
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY105-0015 - T24AY105-0021

TIME*	RESULT dB(A)		
	บริเวณเริ่มวัดโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 5-6, 2024		
	T24AY105-0015		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	62.2	81.8	59.3
08:00-09:00 HOUR	63.5	87.6	60.3
09:00-10:00 HOUR	63.6	85.3	61.1
10:00-11:00 HOUR	61.6	74.0	60.5
11:00-12:00 HOUR	62.2	83.2	60.5
12:00-13:00 HOUR	59.7	78.9	58.2
13:00-14:00 HOUR	60.9	83.5	56.6
14:00-15:00 HOUR	60.1	76.6	58.5
15:00-16:00 HOUR	60.8	86.4	58.8
16:00-17:00 HOUR	59.5	77.7	58.6
17:00-18:00 HOUR	59.0	81.7	55.8
18:00-19:00 HOUR	60.8	84.5	59.4
19:00-20:00 HOUR	60.0	87.8	58.2
20:00-21:00 HOUR	61.5	81.9	57.8
21:00-22:00 HOUR	59.2	75.4	57.5
22:00-23:00 HOUR	52.5	66.9	50.9
23:00-00:00 HOUR	52.0	69.6	45.6
00:00-01:00 HOUR	51.3	71.8	47.6
01:00-02:00 HOUR	51.5	72.6	46.8
02:00-03:00 HOUR	51.4	72.5	46.4
03:00-04:00 HOUR	51.7	67.0	49.3
04:00-05:00 HOUR	52.1	61.4	50.8
05:00-06:00 HOUR	52.1	62.9	50.2
06:00-07:00 HOUR	59.6	77.1	58.0
L _{Aeq} 24 hours	59.6		

TIME*	RESULT dB(A)		
	บริเวณเริ่มวัดโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 6-7, 2024		
	T24AY105-0016		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	60.1	77.5	58.0
08:00-09:00 HOUR	59.3	81.2	54.1
09:00-10:00 HOUR	60.4	85.9	53.2
10:00-11:00 HOUR	59.8	82.5	51.9
11:00-12:00 HOUR	59.0	75.2	56.7
12:00-13:00 HOUR	58.4	71.3	56.9
13:00-14:00 HOUR	58.3	71.9	56.8
14:00-15:00 HOUR	57.5	76.1	56.4
15:00-16:00 HOUR	57.5	76.8	55.8
16:00-17:00 HOUR	57.1	64.8	55.9
17:00-18:00 HOUR	57.2	65.7	56.0
18:00-19:00 HOUR	58.5	76.8	55.8
19:00-20:00 HOUR	56.2	64.6	55.7
20:00-21:00 HOUR	57.0	66.4	55.7
21:00-22:00 HOUR	57.5	69.4	55.5
22:00-23:00 HOUR	51.4	65.5	49.3
23:00-00:00 HOUR	51.1	66.1	49.3
00:00-01:00 HOUR	51.0	65.5	49.5
01:00-02:00 HOUR	51.2	63.6	49.4
02:00-03:00 HOUR	53.5	75.7	49.3
03:00-04:00 HOUR	57.1	70.9	55.8
04:00-05:00 HOUR	57.1	70.5	56.1
05:00-06:00 HOUR	56.9	72.0	56.0
06:00-07:00 HOUR	57.3	73.4	56.0
L _{Aeq} 24 hours	57.4		



TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 7-8, 2024		
	T24AY105-0017		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.7	65.1	56.0
08:00-09:00 HOUR	57.3	75.8	56.1
09:00-10:00 HOUR	58.1	74.9	56.7
10:00-11:00 HOUR	59.1	79.8	56.6
11:00-12:00 HOUR	60.0	82.8	56.5
12:00-13:00 HOUR	61.4	82.7	57.0
13:00-14:00 HOUR	61.1	86.2	57.0
14:00-15:00 HOUR	62.6	85.1	58.4
15:00-16:00 HOUR	59.4	84.9	55.5
16:00-17:00 HOUR	60.4	81.9	56.8
17:00-18:00 HOUR	61.0	80.7	57.3
18:00-19:00 HOUR	61.2	79.6	58.6
19:00-20:00 HOUR	61.5	81.6	59.8
20:00-21:00 HOUR	60.8	71.9	59.9
21:00-22:00 HOUR	60.4	71.9	59.9
22:00-23:00 HOUR	55.2	73.4	54.2
23:00-00:00 HOUR	54.7	66.5	52.5
00:00-01:00 HOUR	54.1	74.1	51.5
01:00-02:00 HOUR	54.1	71.3	51.7
02:00-03:00 HOUR	54.4	78.3	51.6
03:00-04:00 HOUR	55.0	75.9	54.0
04:00-05:00 HOUR	54.7	70.7	47.0
05:00-06:00 HOUR	55.6	65.6	55.2
06:00-07:00 HOUR	61.0	81.6	60.0
L _{Aeq} 24 hours	59.2		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 8-9, 2024		
	T24AY105-0018		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.0	82.8	59.3
08:00-09:00 HOUR	60.0	78.3	59.0
09:00-10:00 HOUR	60.5	78.6	59.0
10:00-11:00 HOUR	61.4	82.5	59.4
11:00-12:00 HOUR	61.5	80.3	58.2
12:00-13:00 HOUR	61.1	82.4	57.7
13:00-14:00 HOUR	59.8	75.6	56.7
14:00-15:00 HOUR	58.8	75.8	55.0
15:00-16:00 HOUR	56.8	75.8	55.5
16:00-17:00 HOUR	59.1	82.0	56.1
17:00-18:00 HOUR	59.4	75.5	57.8
18:00-19:00 HOUR	59.5	66.5	57.6
19:00-20:00 HOUR	59.3	65.8	57.7
20:00-21:00 HOUR	59.0	70.1	57.9
21:00-22:00 HOUR	58.6	66.7	57.5
22:00-23:00 HOUR	57.7	66.1	56.8
23:00-00:00 HOUR	58.1	71.1	56.7
00:00-01:00 HOUR	57.9	69.7	56.8
01:00-02:00 HOUR	58.1	68.9	57.0
02:00-03:00 HOUR	59.5	74.1	58.8
03:00-04:00 HOUR	60.3	75.0	59.5
04:00-05:00 HOUR	60.3	70.5	59.4
05:00-06:00 HOUR	60.2	70.7	59.3
06:00-07:00 HOUR	59.8	69.3	59.2
L _{Aeq} 24 hours	59.6		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 9-10, 2024		
	T24AY105-0019		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	59.7	69.3	59.1
08:00-09:00 HOUR	59.9	67.2	59.3
09:00-10:00 HOUR	60.2	68.2	59.6
10:00-11:00 HOUR	60.2	69.2	59.6
11:00-12:00 HOUR	60.8	71.3	59.8
12:00-13:00 HOUR	61.0	77.0	59.0
13:00-14:00 HOUR	59.5	71.9	58.5
14:00-15:00 HOUR	58.4	76.6	57.1
15:00-16:00 HOUR	57.7	61.8	57.1
16:00-17:00 HOUR	57.8	63.7	57.1
17:00-18:00 HOUR	58.6	72.4	57.1
18:00-19:00 HOUR	57.7	63.5	57.1
19:00-20:00 HOUR	58.5	77.6	57.2
20:00-21:00 HOUR	57.9	65.6	57.2
21:00-22:00 HOUR	58.1	73.3	57.5
22:00-23:00 HOUR	55.8	64.3	55.3
23:00-00:00 HOUR	55.4	71.1	54.5
00:00-01:00 HOUR	55.2	59.3	54.4
01:00-02:00 HOUR	55.7	62.8	55.0
02:00-03:00 HOUR	55.1	72.9	53.6
03:00-04:00 HOUR	54.2	67.2	51.1
04:00-05:00 HOUR	54.7	65.4	53.0
05:00-06:00 HOUR	54.6	66.0	52.6
06:00-07:00 HOUR	61.0	74.0	60.3
L _{Aeq} 24 hours	58.3		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันออก (N3)		
	OCTOBER 10-11, 2024		
	T24AY105-0020		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.2	74.8	60.4
08:00-09:00 HOUR	61.0	67.6	60.4
09:00-10:00 HOUR	61.3	70.8	60.5
10:00-11:00 HOUR	61.2	67.6	60.4
11:00-12:00 HOUR	60.9	68.7	60.4
12:00-13:00 HOUR	61.3	70.8	60.6
13:00-14:00 HOUR	61.2	74.2	60.4
14:00-15:00 HOUR	61.2	73.8	60.5
15:00-16:00 HOUR	60.8	68.9	60.4
16:00-17:00 HOUR	59.0	78.7	57.5
17:00-18:00 HOUR	63.7	84.9	58.0
18:00-19:00 HOUR	63.8	84.1	58.0
19:00-20:00 HOUR	65.2	86.4	58.2
20:00-21:00 HOUR	60.1	82.9	57.8
21:00-22:00 HOUR	59.1	73.9	57.9
22:00-23:00 HOUR	59.1	68.6	57.9
23:00-00:00 HOUR	58.9	70.5	57.9
00:00-01:00 HOUR	59.2	70.0	58.1
01:00-02:00 HOUR	58.8	71.6	57.9
02:00-03:00 HOUR	61.0	68.1	60.5
03:00-04:00 HOUR	60.9	70.5	60.3
04:00-05:00 HOUR	60.7	65.4	60.1
05:00-06:00 HOUR	60.7	72.7	60.0
06:00-07:00 HOUR	60.5	65.0	60.0
L _{Aeq} 24 hours	61.2		

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันตก (N3)		
	OCTOBER 11-12, 2024		
	T24AY105-0021		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.0	74.4	60.1
08:00-09:00 HOUR	60.9	73.9	60.2
09:00-10:00 HOUR	60.7	63.9	60.2
10:00-11:00 HOUR	60.9	65.9	60.3
11:00-12:00 HOUR	61.1	71.4	60.4
12:00-13:00 HOUR	60.9	67.5	60.3
13:00-14:00 HOUR	60.6	64.2	60.0
14:00-15:00 HOUR	60.5	63.3	60.0
15:00-16:00 HOUR	60.6	69.2	60.0
16:00-17:00 HOUR	61.0	69.5	60.2
17:00-18:00 HOUR	61.9	74.1	60.6
18:00-19:00 HOUR	58.2	72.8	57.2
19:00-20:00 HOUR	57.9	74.5	57.1
20:00-21:00 HOUR	57.8	69.4	57.2
21:00-22:00 HOUR	57.7	60.9	57.1
22:00-23:00 HOUR	58.1	63.6	57.3
23:00-00:00 HOUR	58.5	67.4	57.5
00:00-01:00 HOUR	58.3	68.3	57.6
01:00-02:00 HOUR	58.5	71.9	57.7
02:00-03:00 HOUR	58.4	65.6	57.6
03:00-04:00 HOUR	58.8	70.3	57.8
04:00-05:00 HOUR	58.5	70.2	57.7
05:00-06:00 HOUR	58.8	66.3	57.7
06:00-07:00 HOUR	58.9	71.0	57.8
L _{Aeq} 24 hours	59.7		

Sila J
 (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 : บริเวณริมรั้วโรงงานด้านทิศตะวันตก (N4)
MEASURING TYPE : AMBIENT (NOISE)
MEASURING DATE : OCTOBER 5-12, 2024
MEASURING TIME : *
MEASURING METHOD : INTEGRATED SOUND LEVEL METER
MEASURED BY : MR SIRAPAT JONGPHADUNGKIET
RECEIVED DATE : OCTOBER 5-12, 2024
ANALYTICAL DATE : OCTOBER 5-12, 2024
ISSUE DATE : OCTOBER 24, 2024
REPORT NO. : 2024-U098906
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY105-0022 - T24AY105-0028

TIME*	RESULT dB(A)		
	บริเวณริมรั้วโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 5-6, 2024		
	T24AY105-0022		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.4	72.0	56.9
08:00-09:00 HOUR	57.7	84.1	55.4
09:00-10:00 HOUR	59.6	84.4	53.3
10:00-11:00 HOUR	59.4	76.4	54.6
11:00-12:00 HOUR	58.6	83.5	56.7
12:00-13:00 HOUR	57.8	71.2	57.0
13:00-14:00 HOUR	58.0	69.1	57.3
14:00-15:00 HOUR	57.5	69.0	56.9
15:00-16:00 HOUR	56.8	76.6	55.8
16:00-17:00 HOUR	56.8	65.5	56.1
17:00-18:00 HOUR	57.0	65.2	56.1
18:00-19:00 HOUR	57.9	73.5	56.7
19:00-20:00 HOUR	58.2	80.5	56.8
20:00-21:00 HOUR	57.6	75.2	56.1
21:00-22:00 HOUR	56.7	72.5	53.7
22:00-23:00 HOUR	52.3	67.2	50.1
23:00-00:00 HOUR	51.3	74.6	48.9
00:00-01:00 HOUR	51.7	70.3	48.7
01:00-02:00 HOUR	50.7	68.6	48.3
02:00-03:00 HOUR	51.6	75.1	44.7
03:00-04:00 HOUR	51.6	68.1	45.5
04:00-05:00 HOUR	51.8	71.1	46.3
05:00-06:00 HOUR	51.5	68.9	48.5
06:00-07:00 HOUR	60.3	80.3	53.9
L _{Aeq} 24 hours	56.8		



TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกาโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 6-7, 2024		
	T24AY105-0023		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	61.5	78.1	54.2
08:00-09:00 HOUR	62.3	76.0	51.3
09:00-10:00 HOUR	63.6	72.8	55.4
10:00-11:00 HOUR	59.7	80.2	49.9
11:00-12:00 HOUR	57.6	77.0	52.4
12:00-13:00 HOUR	59.9	81.3	47.1
13:00-14:00 HOUR	57.1	72.8	50.4
14:00-15:00 HOUR	56.8	80.9	51.2
15:00-16:00 HOUR	58.8	84.2	49.6
16:00-17:00 HOUR	56.1	71.5	54.7
17:00-18:00 HOUR	56.9	76.7	54.3
18:00-19:00 HOUR	56.6	75.2	54.1
19:00-20:00 HOUR	55.9	70.0	54.7
20:00-21:00 HOUR	56.8	78.0	55.1
21:00-22:00 HOUR	56.8	71.8	54.8
22:00-23:00 HOUR	52.3	70.7	50.4
23:00-00:00 HOUR	51.5	65.8	49.9
00:00-01:00 HOUR	52.0	69.1	50.0
01:00-02:00 HOUR	51.7	68.0	49.4
02:00-03:00 HOUR	51.6	69.3	48.8
03:00-04:00 HOUR	51.7	64.8	49.6
04:00-05:00 HOUR	52.2	70.5	50.2
05:00-06:00 HOUR	51.9	67.7	50.5
06:00-07:00 HOUR	57.7	72.5	54.0
L _{Aeq} 24 hours	57.7		

TIME*	RESULT dB(A)		
	บริเวณเข็มนาฬิกาโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 7-8, 2024		
	T24AY105-0024		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	64.2	73.4	55.9
08:00-09:00 HOUR	63.7	73.0	55.7
09:00-10:00 HOUR	63.9	73.3	55.0
10:00-11:00 HOUR	62.1	71.2	54.6
11:00-12:00 HOUR	59.1	76.3	54.0
12:00-13:00 HOUR	57.3	70.1	54.6
13:00-14:00 HOUR	55.6	67.3	54.4
14:00-15:00 HOUR	57.6	69.7	55.3
15:00-16:00 HOUR	56.2	74.1	54.5
16:00-17:00 HOUR	57.5	79.8	55.0
17:00-18:00 HOUR	58.9	79.1	55.0
18:00-19:00 HOUR	56.7	73.0	54.8
19:00-20:00 HOUR	61.0	79.2	54.2
20:00-21:00 HOUR	62.2	83.1	54.1
21:00-22:00 HOUR	60.1	73.7	55.0
22:00-23:00 HOUR	51.8	66.9	50.4
23:00-00:00 HOUR	51.7	68.1	49.1
00:00-01:00 HOUR	52.3	70.3	51.2
01:00-02:00 HOUR	52.3	69.5	50.4
02:00-03:00 HOUR	51.6	66.7	50.3
03:00-04:00 HOUR	51.3	60.6	49.9
04:00-05:00 HOUR	51.4	60.1	49.5
05:00-06:00 HOUR	52.0	62.1	49.8
06:00-07:00 HOUR	55.3	63.8	54.4
L _{Aeq} 24 hours	59.0		

TIME*	RESULT dB(A)		
	บริเวณเริ่มสร้างโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 8-9, 2024		
	T24AY105-0025		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.1	66.0	55.2
08:00-09:00 HOUR	56.2	77.3	55.2
09:00-10:00 HOUR	56.1	72.6	54.0
10:00-11:00 HOUR	60.0	83.0	54.8
11:00-12:00 HOUR	56.7	71.8	55.1
12:00-13:00 HOUR	57.2	67.8	54.9
13:00-14:00 HOUR	56.8	67.3	54.6
14:00-15:00 HOUR	55.6	71.2	53.8
15:00-16:00 HOUR	55.9	69.6	54.4
16:00-17:00 HOUR	55.9	69.7	54.3
17:00-18:00 HOUR	56.9	82.5	54.2
18:00-19:00 HOUR	57.9	85.4	51.2
19:00-20:00 HOUR	56.2	69.1	55.2
20:00-21:00 HOUR	55.5	67.1	54.5
21:00-22:00 HOUR	55.7	68.6	54.5
22:00-23:00 HOUR	51.4	61.4	50.0
23:00-00:00 HOUR	51.8	59.5	50.6
00:00-01:00 HOUR	51.7	64.8	50.5
01:00-02:00 HOUR	51.6	59.0	50.5
02:00-03:00 HOUR	51.5	62.3	49.4
03:00-04:00 HOUR	52.3	64.9	51.4
04:00-05:00 HOUR	52.6	61.9	51.4
05:00-06:00 HOUR	51.8	57.7	50.7
06:00-07:00 HOUR	60.0	70.4	59.4
L _{Aeq} 24 hours	55.9		

TIME*	RESULT dB(A)		
	บริเวณเริ่มสร้างโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 9-10, 2024		
	T24AY105-0026		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	60.0	66.9	58.9
08:00-09:00 HOUR	58.0	65.1	56.2
09:00-10:00 HOUR	57.3	67.1	55.1
10:00-11:00 HOUR	56.2	63.4	55.1
11:00-12:00 HOUR	57.2	69.1	55.8
12:00-13:00 HOUR	57.2	75.9	55.4
13:00-14:00 HOUR	55.9	60.1	55.0
14:00-15:00 HOUR	56.1	64.6	54.9
15:00-16:00 HOUR	56.4	67.7	55.3
16:00-17:00 HOUR	56.3	66.1	55.2
17:00-18:00 HOUR	56.3	65.0	55.0
18:00-19:00 HOUR	56.4	65.6	55.3
19:00-20:00 HOUR	56.4	69.0	55.1
20:00-21:00 HOUR	56.0	68.0	54.8
21:00-22:00 HOUR	56.0	65.5	54.6
22:00-23:00 HOUR	50.6	59.8	49.3
23:00-00:00 HOUR	51.6	65.4	51.1
00:00-01:00 HOUR	52.3	68.8	49.4
01:00-02:00 HOUR	54.2	70.4	52.3
02:00-03:00 HOUR	54.1	72.5	50.9
03:00-04:00 HOUR	53.9	70.0	50.1
04:00-05:00 HOUR	54.1	74.6	45.5
05:00-06:00 HOUR	54.4	73.6	46.4
06:00-07:00 HOUR	58.7	68.9	54.6
L _{Aeq} 24 hours	56.1		

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 10-11, 2024		
	T24AY105-0027		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	59.2	77.5	52.1
08:00-09:00 HOUR	56.5	70.5	51.4
09:00-10:00 HOUR	56.5	68.3	54.1
10:00-11:00 HOUR	57.3	70.8	55.1
11:00-12:00 HOUR	60.9	81.0	54.7
12:00-13:00 HOUR	55.7	62.5	54.9
13:00-14:00 HOUR	55.9	62.4	55.3
14:00-15:00 HOUR	56.3	65.4	54.7
15:00-16:00 HOUR	56.1	60.8	55.4
16:00-17:00 HOUR	56.0	64.8	55.0
17:00-18:00 HOUR	56.0	66.8	55.1
18:00-19:00 HOUR	56.1	64.6	55.2
19:00-20:00 HOUR	56.4	61.2	55.5
20:00-21:00 HOUR	56.3	65.4	55.4
21:00-22:00 HOUR	56.2	64.6	55.5
22:00-23:00 HOUR	53.8	69.0	50.7
23:00-00:00 HOUR	53.8	73.7	50.9
00:00-01:00 HOUR	54.1	77.3	49.7
01:00-02:00 HOUR	54.5	65.8	53.6
02:00-03:00 HOUR	54.4	68.2	53.5
03:00-04:00 HOUR	54.2	63.2	53.1
04:00-05:00 HOUR	54.3	75.7	53.0
05:00-06:00 HOUR	54.5	65.5	53.5
06:00-07:00 HOUR	55.6	66.2	54.9
L _{Aeq} 24 hours	56.2		

TIME*	RESULT dB(A)		
	บริเวณเขี้ยวโรงงานด้านทิศตะวันตก (N4)		
	OCTOBER 11-12, 2024		
	T24AY105-0028		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.1	64.7	55.3
08:00-09:00 HOUR	55.9	63.0	55.2
09:00-10:00 HOUR	55.9	61.8	55.3
10:00-11:00 HOUR	58.0	76.9	55.3
11:00-12:00 HOUR	58.2	75.7	55.3
12:00-13:00 HOUR	61.1	82.7	55.1
13:00-14:00 HOUR	61.0	83.2	55.4
14:00-15:00 HOUR	56.0	64.1	55.3
15:00-16:00 HOUR	56.0	62.8	55.3
16:00-17:00 HOUR	57.9	76.8	55.5
17:00-18:00 HOUR	58.7	71.0	55.5
18:00-19:00 HOUR	56.4	64.7	55.4
19:00-20:00 HOUR	55.5	68.5	54.6
20:00-21:00 HOUR	55.9	67.4	54.4
21:00-22:00 HOUR	57.0	77.5	54.5
22:00-23:00 HOUR	54.6	67.5	53.3
23:00-00:00 HOUR	54.6	70.3	53.2
00:00-01:00 HOUR	54.3	68.8	51.8
01:00-02:00 HOUR	54.5	70.1	53.6
02:00-03:00 HOUR	54.6	69.0	54.2
03:00-04:00 HOUR	54.3	68.1	53.5
04:00-05:00 HOUR	54.4	77.0	51.4
05:00-06:00 HOUR	54.3	68.6	52.6
06:00-07:00 HOUR	61.0	75.4	55.2
L _{Aeq} 24 hours	57.1		

Sila Banjongjairuk
 (MR SILA BANJONGJAIRUK)
 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 : JULY 10, 2024
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR ITTHIDECH JAIBUN
ANALYZED BY : MISS AKSARIN BUNKONG
RECEIVED DATE : JULY 10, 2024
ANALYTICAL DATE : JULY 10-24, 2024
ISSUE DATE : JULY 31, 2024
REPORT NO. : 2024-U069270
WORK NO. : 2024-000167
ANALYSIS NO. : T24AP634-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ไม่ตรวจพบ คุณภาพน้ำของ โครงการ (W2) T24AP634-0001	REGULATORY STANDARD	DETECTION LIMIT
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (32°C)	5.5-9.0	-
FLOW RATE ^c	m ³ /s	CURRENT METER AND CALCULATION	-	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2550 B	32	≤ 45	-
FLUORINE ^c	mg/L F	SPADNS METHOD	0.82	-	0.02
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.2	≤ 500	2.0
CHEMICAL OXYGEN DEMAND ^a	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	28.8	≤ 750	25.0
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	≤ 200	5.0
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 10	3
METALS					
MAGNESIUM ^c	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	3.40	-	0.010
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.008	≤ 2.0	0.001
NICKEL ^c	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.025	≤ 1.0	0.001
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.069	≤ 5.0	0.001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ไม่ตรวจพบ คุณภาพน้ำของ โครงการ (W2) T24AP634-0001	REGULATORY STANDARD	DETECTION LIMIT
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)	0.130	≤ 10.0	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BLACK		

^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

ND : NOT DETECTED.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
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 : AUGUST 16, 2024
SAMPLING TIME : 09:55 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR ITTHIDECH JAIBUN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : AUGUST 16, 2024
ANALYTICAL DATE : AUGUST 16-27, 2024
ISSUE DATE : SEPTEMBER 4, 2024
REPORT NO. : 2024-U081292
WORK NO. : 2024-000167
ANALYSIS NO. : T24AS632-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T24AS632-0001	REGULATORY STANDARD	DETECTION LIMIT
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (34°C)	5.5-9.0	-
TEMPERATURE °C	°C	THERMOMETER (AT SITE) SM: PART 2550 B	34	≤ 45	-
FLUORINE °C	mg/L F	SPADNS METHOD	1.25	-	0.02
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 °C	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	30.1	≤ 750	25.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	5.5	≤ 200	5.0
FAT, OIL AND GREASE °C	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 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)	0.008	≤ 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)	4.04	-	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)	0.016	≤ 1.0	0.001
ZINC °C	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.051	≤ 5.0	0.001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T24AS632-0001	REGULATORY STANDARD	DETECTION LIMIT
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)	0.166	≤ 10.0	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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.

ND : NOT DETECTED.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR





United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

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 : SEPTEMBER 9, 2024

SAMPLING TIME : 13:25 HOUR

SAMPLING METHOD : GRAB

SAMPLING BY : MR ITTHIDECH JAIBUN

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : SEPTEMBER 10, 2024

ANALYTICAL DATE : SEPTEMBER 10-17, 2024

ISSUE DATE : SEPTEMBER 25, 2024

REPORT NO. : 2024-U087560

WORK NO. : 2024-000167

ANALYSIS NO. : T24AU707-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T24AU707-0001		
pH	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (35.5°C)	5.5-9.0	-
TEMPERATURE	°C	THERMOMETER (AT SITE) SM: PART 2550 B	35.5	≤ 45	-
FLUORINE	mg/L F	SPADNS METHOD	0.57	-	0.02
BIOCHEMICAL OXYGEN DEMAND	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.1	≤ 500	2.0
CHEMICAL OXYGEN DEMAND	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	30.1	≤ 750	25.0
TOTAL SUSPENDED SOLIDS	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	≤ 200	5.0
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 10	3
METALS					
COPPER	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.004	≤ 2.0	0.001
MAGNESIUM	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	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.040	≤ 1.0	0.001
ZINC	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.035	≤ 5.0	0.001



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T24AU707-0001		
TOTAL IRON	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.176	≤ 10.0	0.002
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			BROWN		

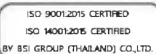
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24TH EDITION, 2023.

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.

ND : NOT DETECTED.

Piyapat S.

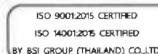
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



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

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2024-U087560

- 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 : -
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR ITTHIDECH JAIBUN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8-16, 2024
ISSUE DATE : OCTOBER 22, 2024
REPORT NO. : 2024-U098286
WORK NO. : 2024-000167
ANALYSIS NO. : T24AX665-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T24AX665-0001	REGULATORY STANDARD	DETECTION LIMIT
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (33.9°C)	5.5-9.0	-
TEMPERATURE °C	°C	THERMOMETER (AT SITE) SM: PART 2550 B	33.9	≤ 45	-
FLUORINE °	mg/L F	SPADNS METHOD	1.12	-	0.02
BIOCHEMICAL OXYGEN DEMAND ^b	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 500	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	ND	≤ 750	40.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	ND	≤ 200	5.0
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 10	3
METALS					
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.004	≤ 2.0	0.001
MAGNESIUM °	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	2.66	-	0.010
NICKEL °	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.051	≤ 1.0	0.001
ZINC °	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.040	≤ 5.0	0.001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT ผลการทดสอบ คุณภาพน้ำของ โครงการ (W2) T24AX665-0001	REGULATORY STANDARD	DETECTION LIMIT
TOTAL IRON °	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.202	≤ 10.0	0.002
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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.

ND : NOT DETECTED.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR





ANALYSIS REPORT

PROJECT NAME : โครงการขอเปลี่ยนแปลงผังและขนาดพื้นที่โรงงานหล่อเหล็กอุปกรณ์ บริษัท โอชิน ทาคาโอก่า ฟาร์มโครี บางปะกง จำกัด
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 : NOVEMBER 14, 2024
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANITIN PONGITSARANUPORN
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : NOVEMBER 15, 2024
ANALYTICAL DATE : NOVEMBER 15-22, 2024
ISSUE DATE : DECEMBER 4, 2024
REPORT NO. : 2024-U112953
WORK NO. : 2024-000167
ANALYSIS NO. : T24BA793-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			นํ้าทิ้งจากโรงงาน T24BA793-0001			
pH *	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1090 B	8.7 (33.3°C)	5.5-9.0	-	-
TEMPERATURE °	°C	THERMOMETER (AT SITE) SM: PART 2550 B	33.3	≤ 45	-	-
FLUORINE °	mg/L F	SPADNS METHOD	1.74	-	0.02	-
BIOCHEMICAL OXYGEN DEMAND *	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.9	≤ 500	-	2.0
CHEMICAL OXYGEN DEMAND *	mg/L	CLOSED REFLUX, TITRIMETRIC METHOD (SM: PART 5220 C)	49.1	≤ 750	-	40.0
TOTAL SUSPENDED SOLIDS *	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	5.8	≤ 200	-	5.0
FAT, OIL AND GREASE *	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 10	-	3
METALS						
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.005	≤ 2.0	0.001	-
MAGNESIUM °	mg/L Mg	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	1.74	-	0.010	-
NICKEL °	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.064	≤ 1.0	0.001	-
ZINC °	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.030	≤ 5.0	0.001	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			นํ้าทิ้งจากโรงงาน T24BA793-0001			
TOTAL IRON °	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.160	≤ 10.0	0.002	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BLACK			

* : 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.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
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 : DECEMBER 9, 2024
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR KANITIN PONGITSARANUPORN
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : DECEMBER 9, 2024
ANALYTICAL DATE : DECEMBER 9-18, 2024
ISSUE DATE : JANUARY 3, 2025
REPORT NO. : 2025-U000505
WORK NO. : 2024-000167
ANALYSIS NO. : T24BC971-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T24BC971-0001			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (30.2°C)	5.5-9.0	-	-
TEMPERATURE ^c	°C	THERMOMETER (AT SITE) SM: PART 2560 B	30.2	≤ 45	-	-
FLUORINE ^c	mg/L F	SPADNS METHOD	0.47	-	0.02	-
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 ^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						
COPPER ^c	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.003	≤ 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)	3.60	-	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)	0.012	≤ 1.0	0.001	-
ZINC ^c	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: PART 3030 F AND PART 3120 B)	0.025	≤ 5.0	0.001	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			ผลการทดสอบคุณภาพน้ำของโครงการ (W2) T24BC971-0001			
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)	0.078	≤ 10.0	0.002	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR 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.

^A : CUSTOMER INFORMATION.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
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 : OCTOBER 18, 2024
SAMPLING TIME : 11:25 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR NAPASIT SRIPIM ๓-145-๓-0085
ANALYZED BY : MISS APHORN ONKONG ๓-145-๓-0012
RECEIVED DATE : OCTOBER 18, 2024
ANALYTICAL DATE : OCTOBER 18-27, 2024
ISSUE DATE : OCTOBER 30, 2024
REPORT NO. : 2024-U100744
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY485-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อตรวจน้ำใต้ดิน ต้นน้ำ ATFB_MW01 T24AY485-0001		
METALS					
CHROMIUM	mg/L Cr	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.001	≤ 6.0	0.001
LEAD	mg/L Pb	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	ND	≤ 4.0	0.002
MANGANESE	mg/L Mn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.599	≤ 33	0.001
NICKEL	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.002	≤ 5.0	0.001
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.005	≤ 10	0.001
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24 "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
๓-145-๓-0020



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 : OCTOBER 18, 2024
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR NAPASIT SRIPIM ๓-145-๓-0085
ANALYZED BY : MISS APHORN ONKONG ๓-145-๓-0012
RECEIVED DATE : OCTOBER 18, 2024
ANALYTICAL DATE : OCTOBER 18-27, 2024
ISSUE DATE : OCTOBER 30, 2024
REPORT NO. : 2024-U100747
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY485-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			แปลตรวจน้ำใต้ดิน ต้นน้ำ ATFB_MW02 T24AY485-0002		
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)	0.008	≤ 4.0	0.002
MANGANESE	mg/L Mn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	129	≤ 33	0.001
NICKEL	mg/L Ni	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.006	≤ 5.0	0.001
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.012	≤ 10	0.001
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24 "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
๓-145-๓-0020



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 : OCTOBER 18, 2024
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD : PERISTALTIC PUMP
SAMPLING BY : MR NAPASIT SRIPIM จ-145-จ-0085
ANALYZED BY : MISS APHORN ONKONG จ-145-จ-0012
RECEIVED DATE : OCTOBER 18, 2024
ANALYTICAL DATE : OCTOBER 18-27, 2024
ISSUE DATE : OCTOBER 30, 2024
REPORT NO. : 2024-U100748
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY485-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจน้ำใต้ดิน ดินน้ำ ATFB_MW03 T24AY485-0003		
METALS					
CHROMIUM	mg/L Cr	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.007	≤ 6.0	0.001
LEAD	mg/L Pb	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.012	≤ 4.0	0.002
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)	0.007	≤ 5.0	0.001
ZINC	mg/L Zn	DIGESTION, INDUCTIVELY COUPLED PLASMA METHOD (SM: PART 3030 F AND PART 3120 B)	0.016	≤ 10	0.001
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).



(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR
จ-145-จ-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 : เตาหลอมเหล็ก LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 08:36-16:36 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105910
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เตาหลอมเหล็ก LINE B1 T24AY077-0001
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.103
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.093
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : เตาหลอมเหล็ก LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 08:40-16:40 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105911
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เตาหลอมเหล็ก LINE B2 T24AY077-0002
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.086
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.078
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : เครื่องปั้นดินเผา LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 08:30-16:30 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105912
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เครื่องปั้นดินเผา LINE B1 T24AY077-0003
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.170
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.099
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : เครื่องปั้นดินเผา LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 08:34-16:34 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105913
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เครื่องปั้นดินเผา LINE B2 T24AY077-0004
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.187
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.170
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : โรงงาน LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:32-16:32 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105916
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			โรงงาน LINE B1 T24AY077-0007
TOTAL DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.360
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.356
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : โรงงาน LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:34-16:34 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105917
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			โรงงาน LINE B2 T24AY077-0008
TOTAL DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	7.64
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.500
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : เครื่องขัดชิ้นงาน LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:30-16:30 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105914
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เครื่องขัดชิ้นงาน LINE B1 T24AY077-0005
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.138
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.129
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : เครื่องขัดชิ้นงาน LINE B2
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:36-16:36 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105915
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			เครื่องขัดชิ้นงาน LINE B2 T24AY077-0006
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.113
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.107
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : ห้อง Q-VAC LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:39-16:39 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105918
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ห้อง Q-VAC LINE B1 T24AY077-0009
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	< 0.060
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.028
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : ห้อง Q-VAC ห้องเครื่องชุด LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 9, 2024
SAMPLING TIME : 08:41-16:41 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105919
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ห้อง Q-VAC ห้องเครื่องชุด LINE B1 T24AY077-0010
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	< 0.060
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.017
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : ห้องเขียรงแดง LINE B1
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 08:28-16:28 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS JETJARIN TUMSA-AT

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-22, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105920
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0011

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ห้องเขียรงแดง LINE B1 T24AY077-0011
TOTAL DUST ^b	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0500)	0.119
RESPIRABLE DUST ^a	mg/m ³	GRAVIMETRIC METHOD (NIOSH METHOD 0600)	0.024
SILICA ^b	mg/m ³	VISIBLE ABSORPTION SPECTROPHOTOMETRIC METHOD (NIOSH METHOD 7601)	< 0.01
SAMPLE CONDITION			COMPLETE

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARD INSTITUTE (TISI)
^b : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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 : บริเวณเครื่องสูบน้ำของอาคารโรงเหล็กหล่อรูปพรรณ
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 11, 2024
SAMPLING TIME : 10:00-13:00 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12 - NOVEMBER 8, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105921
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0012

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			บริเวณเครื่องสูบน้ำของอาคารโรงเหล็กหล่อรูปพรรณ T24AY077-0012
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





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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 : หน่วยงานที่ EDP
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 10:00-10:40 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS WORAKON PADSONGCHAN

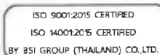
RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12-18, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105922
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0013

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ค่ามาตรฐานที่ EDP T24AY077-0013
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	< 0.001
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 : หน่วยงานที่ EDP
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 10, 2024
SAMPLING TIME : 08:20-16:20 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS SUWAN KONGTHONG

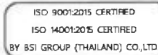
RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12 - NOVEMBER 11, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105923
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			ค่ามาตรฐานที่ EDP T24AY077-0014
ETHYLENE GLYCOL MONOBUTYL ETHER	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	< 0.001
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
DIBUTYL TIN OXIDE as SN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
PHOSPHORIC ACID	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
NICKEL NITRATE as NI	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
HYDROFLUOROSILICIC ACID as F	mg/m ³	ION SPECIFIC ELECTRODE METHOD (OSHA METHOD CSI)	< 0.001
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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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 : วัสดุ LOAD ชิ้นงาน EDP LINE
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 10, 2024
SAMPLING TIME : 08:25-16:25 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12 - NOVEMBER 11, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105924
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0015

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			วัสดุ LOAD ชิ้นงาน EDP LINE T24AY077-0015
ETHYLENE GLYCOL MONOBUTYL ETHER	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	< 0.001
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
DIBUTYL TIN OXIDE as SN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	0.001
PHOSPHORIC ACID	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
NICKEL NITRATE as NI	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
HYDROFLUOROSILICIC ACID as F	mg/m ³	ION SPECIFIC ELECTRODE METHOD (OSHA METHOD CSI)	< 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 : วัสดุ UNLOAD ชิ้นงาน EDP LINE
SAMPLE TYPE : WORKPLACE
SAMPLING DATE : OCTOBER 10, 2024
SAMPLING TIME : 08:30-16:30 HOUR
SAMPLING BY : MISS SUPAWADEE INYASI
ANALYZED BY : MISS SUWAN KONGTHONG

RECEIVED DATE : OCTOBER 12, 2024
ANALYTICAL DATE : OCTOBER 12 - NOVEMBER 11, 2024
ISSUE DATE : NOVEMBER 14, 2024
REPORT NO. : 2024-U105925
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY077-0016

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			วัสดุ UNLOAD ชิ้นงาน EDP LINE T24AY077-0016
ETHYLENE GLYCOL MONOBUTYL ETHER	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1403)	< 0.001
XYLENE	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1501)	< 0.001
ACETIC ACID	ppm	GAS CHROMATOGRAPHIC (FID) METHOD (NIOSH METHOD 1603)	< 0.001
DIBUTYL TIN OXIDE as SN	mg/m ³	INDUCTIVELY COUPLED PLASMA (ICP) METHOD (NIOSH METHOD 7301)	< 0.001
HYDROGEN FLUORIDE	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	0.001
PHOSPHORIC ACID	mg/m ³	ION CHROMATOGRAPHIC METHOD (NIOSH METHOD 7903)	< 0.001
NICKEL NITRATE as NI	mg/m ³	DIRECT AIR-ACETYLENE FLAME, ATOMIC ABSORPTION SPECTROMETRIC METHOD (OSHA METHOD ID 121)	< 0.001
HYDROFLUOROSILICIC ACID as F	mg/m ³	ION SPECIFIC ELECTRODE METHOD (OSHA METHOD CSI)	< 0.001
SAMPLE CONDITION			COMPLETE

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

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR



รายงานผลการทดสอบ

ชื่อ-ที่อยู่ลูกค้า : บริษัท ไอชิน ทาคาโอก่า ฟาวนตรี บางปะกง จำกัด 700/89 หมู่ 1 นิคมอุตสาหกรรมอมตะนคร ตำบลบ้านเก่า
อำเภอพานทอง จังหวัดชลบุรี 20160

ประเภทตัวอย่าง : คุณภาพอากาศ (Workplace)	เลขที่รายงาน : 1490/2567
สถานที่เก็บตัวอย่าง : บริษัท ไอชิน ทาคาโอก่า ฟาวนตรี บางปะกง จำกัด	วันที่รับตัวอย่าง : 17 ตุลาคม 2567
วันที่เก็บตัวอย่าง : 10 ตุลาคม 2567	วันที่ทำการทดสอบ : 18-26 ตุลาคม 2567
ผู้ส่งตัวอย่าง : บริษัท ยูไนเต็ท แอนนาลิสต์ แอนด์ เอ็นเนียริง คอนซัลแตนท์ จำกัด	วันที่รายงานผลการทดสอบ : 28 ตุลาคม 2567

ผลการทดสอบ

ลำดับ	หมายเลขตัวอย่าง	จุดเก็บตัวอย่าง	รายการทดสอบ	วิธีทดสอบ	ผลทดสอบ	หน่วย
1	AY077-14	เป่าชิ้นงานให้แห้งด้วยพัดลม	2-Ethoxyethanol	GC-FID	0.07	ppm
2	AY077-15	บริเวณ Load ชิ้นงาน EDP Line	2-Ethoxyethanol	GC-FID	0.05	ppm
3	AY077-16	บริเวณ Upload ชิ้นงาน EDP Line	2-Ethoxyethanol	GC-FID	0.04	ppm

—End Of Report—

ภาคผนวก ซ-7

ใบรายงานผลการวิเคราะห์ระดับเสี่ยงในสถานประกอบการ



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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 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082318
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0001

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเตาหลอมเหล็ก LINE B1	
	T24AT938-0001	
	AUGUST 27, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:25-09:25	88.1	110
09:25-10:25	85.4	102
10:25-11:25	86.9	102
11:25-12:25	86.7	104
12:25-13:25	85.6	102
13:25-14:25	86.6	101
14:25-15:25	86.7	109
15:25-16:25	83.4	101
16:25-17:25	79.2	101
17:25-18:25	79.2	94.7
18:25-19:25	83.6	103
19:25-20:25	83.1	101
L _{Aeq} 12 hours	85.3	
L _{Amax} 12 hours	110	

Nattawat.

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

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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 : บริเวณเตาหลอมเหล็ก LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096620
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0001

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเตาหลอมเหล็ก LINE B1	
	T24AY078-0001	
	OCTOBER 8, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:24-09:24	81.7	102
09:24-10:24	88.0	106
10:24-11:24	85.0	101
11:24-12:24	84.5	96.8
12:24-13:24	85.4	101
13:24-14:24	84.7	108
14:24-15:24	81.5	98.7
15:24-16:24	77.6	97.1
16:24-17:24	85.0	110
17:24-18:24	90.2	111
18:24-19:24	85.5	101
19:24-20:24	84.4	100
L _{Aeq} 12 hours	85.5	
L _{Amax} 12 hours	111	

Nattawat.

(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 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเตาหลอมเหล็ก LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082319
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0002

RESULT (dB(A))		
บริเวณเตาหลอมเหล็ก LINE B2		
T24AT938-0002		
AUGUST 27, 2024		
TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:30-09:30	83.9	102
09:30-10:30	83.9	101
10:30-11:30	81.8	95.4
11:30-12:30	83.2	103
12:30-13:30	83.7	103
13:30-14:30	85.1	103
14:30-15:30	81.6	95.8
15:30-16:30	84.3	100
16:30-17:30	79.7	96.5
17:30-18:30	78.5	93.1
18:30-19:30	81.7	94.5
19:30-20:30	81.4	95.6
L _{Aeq} 12 hours	82.8	
L _{Amax} 12 hours	103	

Nattawat.

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

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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 : บริเวณเตาหลอมเหล็ก LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096621
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0002

RESULT (dB(A))		
บริเวณเตาหลอมเหล็ก LINE B2		
T24AY078-0002		
OCTOBER 8, 2024		
TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:26-09:26	85.3	106
09:26-10:26	82.8	94.9
10:26-11:26	84.0	108
11:26-12:26	83.6	99.0
12:26-13:26	85.5	105
13:26-14:26	81.7	99.1
14:26-15:26	77.4	90.4
15:26-16:26	74.8	83.6
16:26-17:26	74.9	87.6
17:26-18:26	79.9	90.3
18:26-19:26	79.5	89.4
19:26-20:26	79.9	97.3
L _{Aeq} 12 hours	82.0	
L _{Amax} 12 hours	108	

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LABORATORY SUPERVISOR

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : panchart.s@attg.co.th
MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082321
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0003

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ LINE B1	
	T24AT938-0003	
	AUGUST 27, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:18-09:18	85.2	94.0
09:18-10:18	84.6	96.2
10:18-11:18	84.9	94.2
11:18-12:18	78.8	96.4
12:18-13:18	84.6	97.2
13:18-14:18	84.4	94.1
14:18-15:18	84.4	94.8
15:18-16:18	84.9	94.2
16:18-17:18	82.1	95.9
17:18-18:18	79.2	94.5
18:18-19:18	72.6	86.4
19:18-20:18	73.6	91.2
L _{Aeq} 12 hours	83.1	
L _{Amax} 12 hours	97.2	

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MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096622
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0003

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ LINE B1	
	T24AY078-0003	
	OCTOBER 8, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:20-09:20	85.1	97.4
09:20-10:20	85.1	99.1
10:20-11:20	79.1	95.4
11:20-12:20	83.7	97.0
12:20-13:20	84.9	96.4
13:20-14:20	85.0	98.8
14:20-15:20	84.1	98.6
15:20-16:20	81.3	97.2
16:20-17:20	74.0	90.0
17:20-18:20	75.7	98.1
18:20-19:20	80.7	100
19:20-20:20	80.3	96.2
L _{Aeq} 12 hours	82.8	
L _{Amax} 12 hours	100	

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MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082322
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0004

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ LINE B2	
	T24AT938-0004	
	AUGUST 27, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:10-09:10	87.9	106
09:10-10:10	86.7	96.3
10:10-11:10	87.0	93.3
11:10-12:10	81.8	98.3
12:10-13:10	87.1	92.8
13:10-14:10	87.6	95.9
14:10-15:10	85.8	96.4
15:10-16:10	87.2	97.6
16:10-17:10	86.9	101
17:10-18:10	83.6	96.0
18:10-19:10	74.2	95.2
19:10-20:10	76.7	86.3
L _{Aeq} 12 hours	85.8	
L _{Amax} 12 hours	106	

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MEASURING PLACE : บริเวณเครื่องปั้นแบบ LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPIBAN
RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096623
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0004

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องปั้นแบบ LINE B2	
	T24AY078-0004	
	OCTOBER 8, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:22-09:22	88.0	100
09:22-10:22	87.2	100
10:22-11:22	84.7	104
11:22-12:22	86.0	100
12:22-13:22	88.6	104
13:22-14:22	86.0	101
14:22-15:22	85.2	101
15:22-16:22	78.2	97.2
16:22-17:22	75.5	93.0
17:22-18:22	74.5	88.7
18:22-19:22	81.7	100
19:22-20:22	80.2	96.4
L _{Aeq} 12 hours	84.9	
L _{Amax} 12 hours	104	

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MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082323
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0005

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน LINE B1	
	T24AT938-0005	
	AUGUST 27, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:37-09:37	89.1	95.1
09:37-10:37	89.2	96.5
10:37-11:37	87.0	95.9
11:37-12:37	86.0	96.7
12:37-13:37	87.9	95.6
13:37-14:37	88.7	98.5
14:37-15:37	88.1	95.8
15:37-16:37	88.9	94.7
16:37-17:37	80.8	94.7
17:37-18:37	80.1	88.9
18:37-19:37	80.6	94.5
19:37-20:37	80.9	86.7
L _{Aeq} 12 hours	86.8	
L _{Amax} 12 hours	98.5	

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MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 10, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : OCTOBER 10, 2024
ANALYTICAL DATE : OCTOBER 10, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096624
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0005

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน LINE B1	
	T24AY078-0005	
	OCTOBER 10, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:12-09:12	89.1	99.1
09:12-10:12	89.9	101
10:12-11:12	89.7	100
11:12-12:12	82.8	100
12:12-13:12	90.1	100
13:12-14:12	89.2	100
14:12-15:12	90.7	101
15:12-16:12	91.8	99.5
16:12-17:12	84.0	99.4
17:12-18:12	83.1	99.4
18:12-19:12	81.9	96.2
19:12-20:12	85.5	96.5
L _{Aeq} 12 hours	88.5	
L _{Amax} 12 hours	101	

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MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082324
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0006

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน LINE B2	
	T24AT938-0006	
	AUGUST 27, 2024	
	LAeq 1 hours	Lmax 1 hours
08:42-09:42	88.8	98.0
09:42-10:42	88.9	101
10:42-11:42	85.3	103
11:42-12:42	86.5	95.3
12:42-13:42	88.6	95.4
13:42-14:42	88.7	98.9
14:42-15:42	88.5	100
15:42-16:42	89.1	102
16:42-17:42	86.2	103
17:42-18:42	84.4	99.7
18:42-19:42	86.7	98.2
19:42-20:42	86.2	95.0
LAeq 12 hours	87.6	
Lmax 12 hours	103	

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MEASURING PLACE : บริเวณเครื่องขัดชิ้นงาน LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 10, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : OCTOBER 10, 2024
ANALYTICAL DATE : OCTOBER 10, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096625
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0006

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องขัดชิ้นงาน LINE B2	
	T24AY078-0006	
	OCTOBER 10, 2024	
	LAeq 1 hours	Lmax 1 hours
08:10-09:10	89.6	100
09:10-10:10	89.1	97.3
10:10-11:10	88.3	102
11:10-12:10	82.7	97.1
12:10-13:10	88.8	99.0
13:10-14:10	89.0	101
14:10-15:10	88.8	102
15:10-16:10	89.1	104
16:10-17:10	86.7	101
17:10-18:10	88.0	96.8
18:10-19:10	77.6	91.3
19:10-20:10	79.1	99.0
LAeq 12 hours	87.6	
Lmax 12 hours	104	

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CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082325
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0007

RESULT (dB(A))			
บริเวณเครื่องผสมทราย LINE B1			
T24AT938-0007			
AUGUST 27, 2024			
TIME* (HOUR)	L _{Aeq} 1 hours		L _{Amax} 1 hours
08:12-09:12	89.7		93.9
09:12-10:12	89.5		94.5
10:12-11:12	89.5		100
11:12-12:12	83.5		93.7
12:12-13:12	88.6		93.6
13:12-14:12	89.1		93.5
14:12-15:12	89.0		93.9
15:12-16:12	89.8		94.7
16:12-17:12	85.6		98.9
17:12-18:12	75.7		89.6
18:12-19:12	80.8		93.9
19:12-20:12	80.5		90.7
L _{Aeq} 12 hours	87.6		
L _{Amax} 12 hours	100		

Nattawat.

(MR NATTAWAT DANGSAWAT)
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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
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MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 9, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 9, 2024
ANALYTICAL DATE : OCTOBER 9, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096626
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0007

RESULT (dB(A))			
บริเวณเครื่องผสมทราย LINE B1			
T24AY078-0007			
OCTOBER 9, 2024			
TIME* (HOUR)	L _{Aeq} 1 hours		L _{Amax} 1 hours
08:18-09:18	88.9		105
09:18-10:18	89.2		93.7
10:18-11:18	86.3		92.4
11:18-12:18	88.2		92.4
12:18-13:18	89.3		91.8
13:18-14:18	89.1		94.2
14:18-15:18	89.2		93.5
15:18-16:18	86.3		102
16:18-17:18	83.3		109
17:18-18:18	69.6		87.6
18:18-19:18	88.2		92.7
19:18-20:18	88.1		90.6
L _{Aeq} 12 hours	87.7		
L _{Amax} 12 hours	109		

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(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR





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MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082327
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0008

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องผสมทราย LINE B2	
	T24AT938-0008	
	AUGUST 27, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:20-09:20	88.4	91.9
09:20-10:20	88.8	104
10:20-11:20	88.3	93.5
11:20-12:20	81.0	96.6
12:20-13:20	87.0	92.0
13:20-14:20	87.8	92.4
14:20-15:20	87.1	94.2
15:20-16:20	88.4	93.1
16:20-17:20	86.1	92.8
17:20-18:20	82.8	97.1
18:20-19:20	76.2	99.5
19:20-20:20	77.7	82.3
L _{Aeq} 12 hours	86.4	
L _{Amax} 12 hours	104	

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MEASURING PLACE : บริเวณเครื่องผสมทราย LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 9, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : OCTOBER 9, 2024
ANALYTICAL DATE : OCTOBER 9, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096628
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0008

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องผสมทราย LINE B2	
	T24AY078-0008	
	OCTOBER 9, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:23-09:23	87.7	92.6
09:23-10:23	88.2	95.6
10:23-11:23	85.8	93.0
11:23-12:23	84.1	93.5
12:23-13:23	88.3	92.3
13:23-14:23	88.0	94.3
14:23-15:23	88.4	93.1
15:23-16:23	85.9	92.3
16:23-17:23	75.9	91.3
17:23-18:23	82.5	91.3
18:23-19:23	81.2	94.3
19:23-20:23	82.8	90.0
L _{Aeq} 12 hours	86.0	
L _{Amax} 12 hours	95.6	

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CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : ภาชนะหล่อ CASTING COOLER LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082330
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0009

TIME* (HOUR)	RESULT (dB(A))	
	ภาชนะหล่อ CASTING COOLER LINE B1	
	T24AT938-0009	
	AUGUST 28, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:07-09:07	86.2	92.1
09:07-10:07	85.8	92.0
10:07-11:07	85.2	91.5
11:07-12:07	81.9	90.7
12:07-13:07	85.3	91.2
13:07-14:07	85.3	93.1
14:07-15:07	86.9	92.0
15:07-16:07	86.0	91.6
16:07-17:07	83.4	91.4
17:07-18:07	80.7	89.8
18:07-19:07	74.5	92.3
19:07-20:07	80.5	89.6
L _{Aeq} 12 hours	84.4	
L _{Amax} 12 hours	93.1	

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MEASURING PLACE : ภาชนะหล่อ CASTING COOLER LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096629
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0009

TIME* (HOUR)	RESULT (dB(A))	
	ภาชนะหล่อ CASTING COOLER LINE B1	
	T24AY078-0009	
	OCTOBER 8, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:10-09:10	85.5	92.8
09:10-10:10	85.5	93.0
10:10-11:10	82.0	93.8
11:10-12:10	82.3	92.6
12:10-13:10	86.0	93.4
13:10-14:10	84.7	93.5
14:10-15:10	85.0	94.3
15:10-16:10	82.0	95.1
16:10-17:10	72.4	83.8
17:10-18:10	72.0	89.5
18:10-19:10	80.1	95.4
19:10-20:10	80.6	95.3
L _{Aeq} 12 hours	83.1	
L _{Amax} 12 hours	95.4	

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CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : ๒๓๖๓๓ CASTING COOLER LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082332
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0010

RESULT (dB(A))		
๒๓๖๓๓ CASTING COOLER LINE B2		
T24AT938-0010		
AUGUST 28, 2024		
TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:26-09:26	88.7	97.1
09:26-10:26	89.1	102
10:26-11:26	83.2	110
11:26-12:26	87.9	95.8
12:26-13:26	89.0	97.9
13:26-14:26	89.5	102
14:26-15:26	88.7	102
15:26-16:26	87.9	104
16:26-17:26	86.0	98.5
17:26-18:26	82.2	98.8
18:26-19:26	82.0	98.2
19:26-20:26	83.7	97.1
L _{Aeq} 12 hours	87.3	
L _{Amax} 12 hours	110	

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MEASURING PLACE : ๒๓๖๓๓ CASTING COOLER LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 8, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096630
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0010

RESULT (dB(A))		
๒๓๖๓๓ CASTING COOLER LINE B2		
T24AY078-0010		
OCTOBER 8, 2024		
TIME* (HOUR)	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:12-09:12	89.1	100
09:12-10:12	88.9	98.4
10:12-11:12	85.6	103
11:12-12:12	86.7	101
12:12-13:12	89.6	103
13:12-14:12	88.5	102
14:12-15:12	88.1	104
15:12-16:12	82.2	97.4
16:12-17:12	73.5	93.8
17:12-18:12	71.2	90.2
18:12-19:12	80.7	93.6
19:12-20:12	81.2	96.4
L _{Aeq} 12 hours	86.3	
L _{Amax} 12 hours	104	

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CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณเครื่องแบบ (แยกด้าน) LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082334
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0011

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องแบบ (แยกด้าน) LINE B1	
	T24AT938-0011	
	AUGUST 28, 2024	
	LAeq 1 hours	Lmax 1 hours
08:09-09:09	96.4	107
09:09-10:09	94.4	106
10:09-11:09	94.1	111
11:09-12:09	88.3	105
12:09-13:09	94.1	105
13:09-14:09	95.7	108
14:09-15:09	98.2	109
15:09-16:09	94.7	103
16:09-17:09	93.5	107
17:09-18:09	81.1	92.5
18:09-19:09	77.2	102
19:09-20:09	78.1	89.5
LAeq 12 hours	93.8	
Lmax 12 hours	111	

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MEASURING PLACE : บริเวณแยกด้าน LINE B1
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 9, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 9, 2024
ANALYTICAL DATE : OCTOBER 9, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096631
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0011

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณแยกด้าน LINE B1	
	T24AY078-0011	
	OCTOBER 9, 2024	
	LAeq 1 hours	Lmax 1 hours
08:14-09:14	85.0	103
09:14-10:14	94.1	101
10:14-11:14	92.3	104
11:14-12:14	86.3	101
12:14-13:14	93.4	102
13:14-14:14	93.7	110
14:14-15:14	92.4	101
15:14-16:14	92.6	103
16:14-17:14	81.4	102
17:14-18:14	75.3	104
18:14-19:14	83.5	106
19:14-20:14	83.2	106
LAeq 12 hours	90.6	
Lmax 12 hours	110	

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MEASURING PLACE : บริเวณเครื่องแบบ (แยกท่า) LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082336
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0012

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณเครื่องแบบ (แยกท่า) LINE B2	
	T24AT938-0012	
	AUGUST 28, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:30-09:30	92.2	105
09:30-10:30	91.8	104
10:30-11:30	83.6	96.7
11:30-12:30	92.0	103
12:30-13:30	93.1	105
13:30-14:30	92.4	102
14:30-15:30	91.5	104
15:30-16:30	90.8	105
16:30-17:30	90.2	105
17:30-18:30	81.2	98.8
18:30-19:30	82.8	97.2
19:30-20:30	82.5	95.3
L _{Aeq} 12 hours	90.3	
L _{Amax} 12 hours	105	

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CONTACT INFORMATION : TEL : 09 8289 5651 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บริเวณแยกท่า LINE B2
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 9, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 9, 2024
ANALYTICAL DATE : OCTOBER 9, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096632
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0012

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณแยกท่า LINE B2	
	T24AY078-0012	
	OCTOBER 9, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:16-09:16	91.8	109
09:16-10:16	92.5	107
10:16-11:16	85.2	102
11:16-12:16	89.3	102
12:16-13:16	92.1	104
13:16-14:16	92.6	105
14:16-15:16	92.4	105
15:16-16:16	87.9	102
16:16-17:16	88.2	104
17:16-18:16	78.8	90.6
18:16-19:16	84.8	105
19:16-20:16	85.1	105
L _{Aeq} 12 hours	89.9	
L _{Amax} 12 hours	109	

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

CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th

MEASURING PLACE : บริเวณ LOAD ชิ้นงาน

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : AUGUST 28, 2024

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER

MEASURED BY : MISS PATJIRA KADEEPIBAN

RECEIVED DATE : AUGUST 28, 2024

ANALYTICAL DATE : AUGUST 28, 2024

ISSUE DATE : SEPTEMBER 5, 2024

REPORT NO. : 2024-U082338

WORK NO. : 2024-000167

ANALYSIS NO. : T24AT938-0013

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณ LOAD ชิ้นงาน	
	T24AT938-0013	
	AUGUST 28, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:21-09:21	81.7	95.3
09:21-10:21	80.3	91.5
10:21-11:21	80.7	97.1
11:21-12:21	75.6	87.3
12:21-13:21	79.1	89.4
13:21-14:21	82.1	99.1
14:21-15:21	82.6	98.4
15:21-16:21	81.6	95.4
16:21-17:21	80.6	105
17:21-18:21	80.6	96.3
18:21-19:21	76.0	89.7
19:21-20:21	75.9	101
L _{Aeq} 12 hours	80.3	
L _{Amax} 12 hours	105	

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LABORATORY SUPERVISOR

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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 : บริเวณ LOAD ชิ้นงาน

MEASURING TYPE : WORKPLACE (NOISE)

MEASURING DATE : OCTOBER 10, 2024

MEASURING TIME : *

MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER

MEASURED BY : MISS PATJIRA KADEEPIBAN

RECEIVED DATE : OCTOBER 10, 2024

ANALYTICAL DATE : OCTOBER 10, 2024

ISSUE DATE : OCTOBER 17, 2024

REPORT NO. : 2024-U096634

WORK NO. : 2024-000167

ANALYSIS NO. : T24AY078-0013

TIME* (HOUR)	RESULT (dB(A))	
	บริเวณ LOAD ชิ้นงาน	
	T24AY078-0013	
	OCTOBER 10, 2024	
	L _{Aeq} 1 hours	L _{Amax} 1 hours
08:14-09:14	81.1	89.2
09:14-10:14	80.4	92.3
10:14-11:14	80.2	93.3
11:14-12:14	77.1	88.1
12:14-13:14	79.1	86.9
13:14-14:14	79.8	90.5
14:14-15:14	81.1	97.5
15:14-16:14	81.0	98.3
16:14-17:14	78.6	88.7
17:14-18:14	80.1	93.1
18:14-19:14	79.4	87.2
19:14-20:14	79.3	91.2
L _{Aeq} 12 hours	79.9	
L _{Amax} 12 hours	98.3	

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ADDRESS : 700/89 MOO 1 BAN KAO PHAN THONG CHON BURI 20160
CONTACT INFORMATION : TEL : 09 7952 5516 e-mail : parichart.s@attg.co.th
MEASURING PLACE : บังคับ UNLOAD ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082339
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT938-0014

TIME* (HOUR)	RESULT (dB(A))	
	บังคับ UNLOAD ชั่งงาน	
	T24AT938-0014	
	AUGUST 28, 2024	
	LAeq 1 hours	Lamax 1 hours
08:23-09:23	81.1	92.1
09:23-10:23	79.3	91.9
10:23-11:23	80.1	90.6
11:23-12:23	73.6	87.1
12:23-13:23	78.9	90.9
13:23-14:23	80.3	89.3
14:23-15:23	80.0	93.5
15:23-16:23	78.9	90.2
16:23-17:23	75.8	88.2
17:23-18:23	76.6	92.9
18:23-19:23	74.2	89.7
19:23-20:23	75.2	88.9
LAeq 12 hours	78.5	
Lamax 12 hours	93.5	

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MEASURING PLACE : บังคับ UNLOAD ชั่งงาน
MEASURING TYPE : WORKPLACE (NOISE)
MEASURING DATE : OCTOBER 10, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : INTEGRATED SOUND LEVEL METER
MEASURED BY : MISS PATJIRA KADEEPISAN
RECEIVED DATE : OCTOBER 10, 2024
ANALYTICAL DATE : OCTOBER 10, 2024
ISSUE DATE : OCTOBER 17, 2024
REPORT NO. : 2024-U096635
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY078-0014

TIME* (HOUR)	RESULT (dB(A))	
	บังคับ UNLOAD ชั่งงาน	
	T24AY078-0014	
	OCTOBER 10, 2024	
	LAeq 1 hours	Lamax 1 hours
08:16-09:16	80.9	90.3
09:16-10:16	80.1	90.0
10:16-11:16	80.7	91.1
11:16-12:16	76.2	89.4
12:16-13:16	78.7	89.2
13:16-14:16	80.8	92.1
14:16-15:16	80.9	96.8
15:16-16:16	79.1	90.7
16:16-17:16	76.9	90.1
17:16-18:16	76.4	91.1
18:16-19:16	75.2	89.6
19:16-20:16	75.9	89.1
LAeq 12 hours	79.0	
Lamax 12 hours	96.8	

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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : AUGUST 27, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER
MEASURED BY : MISS PATJIRA KADEEPIAN

RECEIVED DATE : AUGUST 27, 2024
ANALYTICAL DATE : AUGUST 27, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082101
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT936-0001 - T24AT936-0002,
T24AT936-0007 - T24AT936-0010,
T24AT936-0013 - T24AT936-0014

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT		
			TWA _{8 HOUR} (dB(A))	L _{Amax} (dB(A))	DOSE (%)
T24AT936-0001	บริเวณเครื่องผสมทราย LINE B1 (คนเอวรัน)	08:16-16:16	87.3	114	171
T24AT936-0002	บริเวณเครื่องผสมทราย LINE B2 (คนเอวรัน)	08:07-16:07	89.1	113	258
T24AT936-0007	บริเวณเครื่องปั้นแบบ LINE B1 (คนวันดี)	08:14-16:14	88.7	113	235
T24AT936-0008	บริเวณเครื่องปั้นแบบ LINE B2 (คนวันดี)	08:05-16:05	91.0	116	394
T24AT936-0009	เตาหลอมเหล็ก LINE B1 (คนเสก)	08:22-16:22	87.4	110	176
T24AT936-0010	เตาหลอมเหล็ก LINE B2 (คนเสก)	08:27-16:27	84.5	106	88.6
T24AT936-0013	บริเวณเครื่องขัดชิ้นงาน LINE B1 (คนเสก)	08:35-16:35	94.3	112	846
T24AT936-0014	บริเวณเครื่องขัดชิ้นงาน LINE B2 (คนเสก)	08:40-16:40	90.4	111	345

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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE)
MEASURING DATE : AUGUST 28, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : NOISE DOSE METER
MEASURED BY : MISS PATJIRA KADEEPIAN

RECEIVED DATE : AUGUST 28, 2024
ANALYTICAL DATE : AUGUST 28, 2024
ISSUE DATE : SEPTEMBER 5, 2024
REPORT NO. : 2024-U082102
WORK NO. : 2024-000167
ANALYSIS NO. : T24AT936-0003 - T24AT936-0006,
T24AT936-0011 - T24AT936-0012,
T24AT936-0015 - T24AT936-0016

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT		
			TWA _{8 HOUR} (dB(A))	L _{Amax} (dB(A))	DOSE (%)
T24AT936-0003	บริเวณ CASTING COOLER LINE B1 (คนหน้า)	08:38-16:38	95.0	130	997
T24AT936-0004	บริเวณ CASTING COOLER LINE B2 (คนเสก)	08:28-16:28	95.6	116	1143
T24AT936-0005	บริเวณรีดแบบ (แยกกัน) LINE B1 (คนเสก)	08:11-16:11	97.7	113	1880
T24AT936-0006	บริเวณรีดแบบ (แยกกัน) LINE B2 (คนเสก)	08:32-16:32	95.6	124	1148
T24AT936-0011	FINISHING LINE B1 (คนเสก)	08:15-16:15	93.6	107	720
T24AT936-0012	EDP LINE (คนเสก)	08:24-16:24	84.3	106	85.4
T24AT936-0015	บริเวณปั้นโค (คนเสก)	08:42-16:42	92.0	107	507
T24AT936-0016	บริเวณซ่อมเบ้า (คนเสก)	08:44-16:44	95.8	117	1201

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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE) **RECEIVED DATE** : OCTOBER 8, 2024
MEASURING DATE : OCTOBER 8, 2024 **ANALYTICAL DATE** : OCTOBER 8, 2024
MEASURING TIME : * **ISSUE DATE** : OCTOBER 18, 2024
MEASURING EQUIPMENT : NOISE DOSE METER **REPORT NO.** : 2024-U096657
MEASURED BY : MISS PATJIRA KADEEPISAN **WORK NO.** : 2024-000167
ANALYSIS NO. : T24AY080-0001 - T24AY080-0002, T24AY080-0004

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT		
			TWA _{8 HOUR} (dB(A))	L _{Amax} (dB(A))	DOSE (%)
T24AY080-0001	เครื่องผสมทราย LINE B1 (คุณวันดี)	08:16-16:16	87.7	114	185
T24AY080-0002	เครื่องผสมทราย LINE B2 (คุณเอกชัย)	08:18-16:18	92.1	117	508
T24AY080-0004	CASTING COOLER LINE B2 (คุณฉวีพร)	08:14-16:14	93.1	116	651

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ANALYSIS REPORT

CUSTOMER NAME : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (NOISE DOSE) **RECEIVED DATE** : OCTOBER 9, 2024
MEASURING DATE : OCTOBER 9, 2024 **ANALYTICAL DATE** : OCTOBER 9, 2024
MEASURING TIME : * **ISSUE DATE** : OCTOBER 18, 2024
MEASURING EQUIPMENT : NOISE DOSE METER **REPORT NO.** : 2024-U096659
MEASURED BY : MISS PATJIRA KADEEPISAN **WORK NO.** : 2024-000167
ANALYSIS NO. : T24AY080-0003, T24AY080-0005 - T24AY080-0006

ANALYSIS NO.	MEASURING SITE	TIME* (HOUR)	RESULT		
			TWA _{8 HOUR} (dB(A))	L _{Amax} (dB(A))	DOSE (%)
T24AY080-0003	CASTING COOLER LINE B1 (คุณฉวีพร)	08:10-16:10	87.2	124	166
T24AY080-0005	แยกถ่าน LINE B1 (คุณสมชาย)	08:12-16:12	93.2	106	661
T24AY080-0006	แยกถ่าน LINE B2 (คุณศักดิ์สิทธิ์)	08:16-16:16	92.7	109	586

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ภาคผนวก ซ-8

ใบรายงานผลการวิเคราะห์ระดับความร้อนบริเวณพื้นที่ปฏิบัติงาน



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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

MEASURING TYPE : WORKPLACE (HEAT STRESS)

MEASURING DATE : OCTOBER 8, 2024

MEASURING TIME : *

MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE

MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 8, 2024

ANALYTICAL DATE : OCTOBER 8, 2024

ISSUE DATE : OCTOBER 18, 2024

REPORT NO. : 2024-U096663

WORK NO. : 2024-000167

ANALYSIS NO. : T24AY081-0001 - T24AY081-0004,
T24AY081-0009 - T24AY081-0010

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24AY081-0001	เดาหลอมเหล็ก LINE B1 (คุณศรีกิตติ)	10:00-11:30 HOUR	27.3	36.3	36.5	30.0	27.9
		11:30-12:00 HOUR	20.1	24.7	25.0	21.5	
T24AY081-0002	เดาหลอมเหล็ก LINE B2 (คุณเนติ)	10:05-11:35 HOUR	27.5	34.9	35.9	30.0	27.9
		11:35-12:05 HOUR	20.2	24.6	24.8	21.6	
T24AY081-0003	เครื่องปั้นแบบ LINE B1 (คุณพลธิ์)	10:10-11:55 HOUR	28.0	37.1	37.3	30.8	29.7
		11:55-12:10 HOUR	19.8	26.4	26.5	21.8	
T24AY081-0004	เครื่องปั้นแบบ LINE B2 (คุณอุบลเดช)	10:15-12:00 HOUR	28.1	36.1	34.9	30.1	29.1
		12:00-12:15 HOUR	20.0	25.4	26.1	21.8	
T24AY081-0009	เทเหล็ก LINE B1 (คุณดวงดา)	10:20-10:50 HOUR	28.3	37.1	38.3	31.3	24.6
		10:50-12:20 HOUR	21.3	24.7	25.1	22.4	
T24AY081-0010	เทเหล็ก LINE B2 (คุณณัฐพงษ์)	10:25-10:55 HOUR	28.3	37.6	38.3	31.3	24.5
		10:55-12:25 HOUR	20.3	25.7	26.7	22.2	

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ANALYSIS REPORT

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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

MEASURING TYPE : WORKPLACE (HEAT STRESS)

MEASURING DATE : OCTOBER 9, 2024

MEASURING TIME : *

MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE

MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 9, 2024

ANALYTICAL DATE : OCTOBER 9, 2024

ISSUE DATE : OCTOBER 18, 2024

REPORT NO. : 2024-U096664

WORK NO. : 2024-000167

ANALYSIS NO. : T24AY081-0005, T24AY081-0007 -
T24AY081-0008, T24AY081-0011 -
T24AY081-0012

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24AY081-0005	เครื่องผสมทราย LINE B1 (คุณวันดี)	10:15-12:15 HOUR	28.9	37.8	38.0	31.6	31.6
T24AY081-0007	เครื่องขัดชิ้นงาน LINE B1 (คุณปริษา)	10:00-12:00 HOUR	27.1	33.2	33.4	29.0	29.0
T24AY081-0008	เครื่องขัดชิ้นงาน LINE B2 (คุณอุบลเดช)	10:05-12:05 HOUR	27.4	33.2	34.2	29.4	29.4
T24AY081-0011	แยกกัน LINE B1 (คุณสมชาย)	10:10-12:10 HOUR	27.9	35.3	35.5	30.2	30.2
T24AY081-0012	แยกกัน LINE B2 (คุณศักดิ์สิทธิ์)	10:10-12:10 HOUR	28.6	36.1	36.7	31.0	31.0

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MEASURING PLACE : AISIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
MEASURING TYPE : WORKPLACE (HEAT STRESS)
MEASURING DATE : OCTOBER 10, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 10, 2024
ANALYTICAL DATE : OCTOBER 10, 2024
ISSUE DATE : OCTOBER 18, 2024
REPORT NO. : 2024-U096665
WORK NO. : 2024-000167
ANALYSIS NO. : T24AY081-0006

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24AY081-0006	เครื่องผสมทราย LINE B2 (คุณเอกชัย [REDACTED])	10:00-11:45 HOUR	27.6	34.6	35.3	29.9	28.9
		11:45-12:00 HOUR	20.2	27.0	27.5	22.4	

Nattawat.

(MR NATTAWAT DANGSAWAT)
LABORATORY SUPERVISOR

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- End of Analysis Report -



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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 (HEAT STRESS)
MEASURING DATE : OCTOBER 24, 2024
MEASURING TIME : *
MEASURING EQUIPMENT : WET BULB GLOBE TEMPERATURE
MEASURED BY : MISS PATJIRA KADEEPISAN

RECEIVED DATE : OCTOBER 24, 2024
ANALYTICAL DATE : OCTOBER 24, 2024
ISSUE DATE : OCTOBER 29, 2024
REPORT NO. : 2024-U100665
WORK NO. : 2024-000167
ANALYSIS NO. : T24AZ029-0001 - T24AZ029-0012

ANALYSIS NO.	MEASURING SITE	DURATION TIME*	RESULT (DEGREE CELSIUS)				
			NWB	DB	GT	WBGT	WBGT AVG
T24AZ029-0001	เดาหลอมเหล็ก LINE B1 (คุณสุรศักดิ์ [REDACTED])	13:00-14:30 HOUR	27.6	35.7	37.0	30.4	28.2
		14:30-15:00 HOUR	19.8	24.6	25.4	21.4	
T24AZ029-0002	เดาหลอมเหล็ก LINE B2 (คุณนันทิชา [REDACTED])	13:02-14:32 HOUR	28.8	36.5	38.7	31.8	29.3
		14:32-15:02 HOUR	20.4	24.8	25.6	21.9	
T24AZ029-0003	เครื่องปั้นแบบ LINE B1 (คุณวันดี [REDACTED])	13:10-14:55 HOUR	27.3	35.5	35.8	29.8	28.8
		14:55-15:10 HOUR	19.1	26.0	26.2	21.2	
T24AZ029-0004	เครื่องปั้นแบบ LINE B2 (คุณสุรพาวธ [REDACTED])	13:12-14:57 HOUR	27.5	35.7	36.7	30.2	29.2
		14:57-15:12 HOUR	19.8	26.2	26.3	21.8	
T24AZ029-0005	เครื่องผสมทราย LINE B1 (คุณพลอชัย [REDACTED])	13:14-15:14 HOUR	27.5	37.1	37.2	30.4	30.4
T24AZ029-0006	เครื่องผสมทราย LINE B2 (คุณเอกชัย [REDACTED])	13:16-15:01 HOUR	27.7	35.4	35.8	30.1	29.3
		15:01-15:16 HOUR	21.0	27.9	28.8	23.3	
T24AZ029-0007	เครื่องขัดชิ้นงาน LINE B1 (คุณปริษา [REDACTED])	13:25-15:25 HOUR	26.8	32.5	32.8	28.6	28.6
T24AZ029-0008	เครื่องขัดชิ้นงาน LINE B2 (คุณธีรภัทร [REDACTED])	13:27-15:27 HOUR	27.2	35.2	35.4	29.7	29.7
T24AZ029-0009	เทเหล็ก LINE B1 (คุณต้องดา [REDACTED])	13:04-13:34 HOUR	28.8	38.3	42.7	32.9	24.4
		13:34-15:04 HOUR	19.3	24.2	26.9	21.6	
T24AZ029-0010	เทเหล็ก LINE B2 (คุณรัฐพงษ์ [REDACTED])	13:06-13:36 HOUR	27.9	38.9	39.9	31.5	24.2
		13:36-15:36 HOUR	20.3	24.5	25.3	21.8	
T24AZ029-0011	แยกก้าน LINE B1 (คุณเสกสิทธิ์ [REDACTED])	13:18-15:18 HOUR	26.9	36.1	36.5	29.8	29.8
T24AZ029-0012	แยกก้าน LINE B2 (คุณศักดิ์ชัย [REDACTED])	13:20-15:20 HOUR	27.1	37.3	37.8	30.3	30.3

Nattawat.

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