



36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattara, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040855/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	05/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณเครื่องขัดชิ้นงาน Line b2				
	Leq 1 hr		L _{max}		
09:00-10:00	89.1		103.8		
10:00-11:00	89.6		102.0		
11:00-12:00	89.0		102.0		
12:00-13:00	86.6		105.3		
13:00-14:00	90.4		103.2		
14:00-15:00	90.4		104.5		
15:00-16:00	88.5		102.8		
16:00-17:00	89.9		102.7		
TWA 8 hr	89		105.3		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003)


(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022



36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040866/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

Sampling Date	: 07/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -

Time	Result	
	บริเวณ Load ขึ้นงาน EDP Line; คุณ	
	Leq 1 hr	L _{max}
09:00-10:00	82.7	98.8
10:00-11:00	83.3	93.7
11:00-12:00	81.5	95.7
12:00-13:00	81.1	91.7
13:00-14:00	82.6	98.0
14:00-15:00	81.8	94.6
15:00-16:00	81.6	93.5
16:00-17:00	81.4	98.5
TWA 8 hr	82	98.8
Standard	85	140 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040867/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.	
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160	
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT	
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670	
Sampling Date	:	07/04/2022	Report Date : 27/04/2022
Received Date	:	11/04/2022	Sampling By : Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By : -
Time	Result		
	บริเวณ Unload ชี้นงาน EDP Line; [REDACTED]		
	Leq 1 hr	L _{max}	
09:00-10:00	81.7	91.3	
10:00-11:00	81.7	94.3	
11:00-12:00	79.5	93.3	
12:00-13:00	79.4	90.6	
13:00-14:00	81.1	90.2	
14:00-15:00	81.3	102.5	
15:00-16:00	80.5	96.6	
16:00-17:00	80.3	95.4	
TWA 8 hr	81	102.5	
Standard	85	140 ^[1]	
Unit	dB(A)		

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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27/04/2022





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36/659 Moo 6, Tambon Bangrakpattara, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040852/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	04/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณเครื่องผสมทราย Line b1; [REDACTED]				
	Leq 1 hr		L _{max}		
09:00-10:00	83.9		94.7		
10:00-11:00	83.8		91.9		
11:00-12:00	84.8		92.6		
12:00-13:00	82.7		91.0		
13:00-14:00	85.3		93.7		
14:00-15:00	84.7		91.5		
15:00-16:00	83.6		90.9		
16:00-17:00	85.7		90.5		
TWA 8 hr	84		94.7		
Standard	85		140 ⁽¹⁾		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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27/04/2022




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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040853/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	04/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณเครื่องผสมทราย Line b2; [REDACTED]				
	Leq 1 hr		L _{max}		
09:00-10:00	86.3		96.8		
10:00-11:00	86.7		97.4		
11:00-12:00	89.1		97.9		
12:00-13:00	87.1		96.5		
13:00-14:00	88.6		97.9		
14:00-15:00	87.8		96.0		
15:00-16:00	86.8		96.9		
16:00-17:00	86.0		91.6		
TWA 8 hr	87		97.9		
Standard	85		140 ⁽¹⁾		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽²⁾ : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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27/04/2022





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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040858/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.	
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160	
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT	
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670	
Sampling Date	:	04/04/2022	Report Date : 27/04/2022
Received Date	:	11/04/2022	Sampling By : Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By : -

Time	Result	
	บริเวณ Casting Cooler Line b	
	Leq 1 hr	L _{max}
09:00-10:00	87.4	94.1
10:00-11:00	89.2	93.2
11:00-12:00	87.0	93.8
12:00-13:00	90.0	108.1
13:00-14:00	90.5	103.3
14:00-15:00	89.4	98.5
15:00-16:00	87.2	99.1
16:00-17:00	92.0	94.1
TWA 8 hr	89	108.1
Standard	85	140 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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Measurement Staff and Analyst

27/04/2022





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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040859/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	04/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณ Casting Cooler Line b2				
	Leq 1 hr		L _{max}		
09:00-10:00	86.0		101.6		
10:00-11:00	85.2		98.6		
11:00-12:00	88.9		117.5		
12:00-13:00	88.4		98.2		
13:00-14:00	89.2		101.6		
14:00-15:00	88.1		97.9		
15:00-16:00	88.6		99.6		
16:00-17:00	86.8		99.5		
TWA 8 hr	88		117.5		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040860/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.	
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160	
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT	
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670	
Sampling Date	:	04/04/2022	Report Date : 27/04/2022
Received Date	:	11/04/2022	Sampling By : Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By : -
Time	Result		
	บริเวณรื้อแบบ (แยกด้าน) Line b		
	Leq 1 hr	L _{max}	
09:00-10:00	90.2	103.1	
10:00-11:00	90.7	106.0	
11:00-12:00	90.0	106.1	
12:00-13:00	88.1	103.4	
13:00-14:00	91.6	106.8	
14:00-15:00	90.7	106.5	
15:00-16:00	90.3	106.7	
16:00-17:00	89.5	107.2	
TWA 8 hr	90	107.2	
Standard	85	140 ^[1]	
Unit	dB(A)		

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[2] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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On
(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022





36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040861/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	08/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณหรือแบบ (แยกกัน) Line b2				
	Leq 1 hr		L _{max}		
09:00-10:00	85.7		103.3		
10:00-11:00	85.9		101.4		
11:00-12:00	91.7		105.8		
12:00-13:00	89.5		103.4		
13:00-14:00	90.8		102.8		
14:00-15:00	90.4		108.6		
15:00-16:00	89.1		103.1		
16:00-17:00	87.2		101.4		
TWA 8 hr	89		108.6		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare, The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022



36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 05/0340

REPORT NO. : 040856/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	05/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	เพื่อ Control Sand Line b1				
	Leq 1 hr		L _{max}		
09:00-10:00	85.1		100.9		
10:00-11:00	86.1		95.2		
11:00-12:00	85.1		91.5		
12:00-13:00	83.3		91.4		
13:00-14:00	85.9		95.0		
14:00-15:00	85.6		91.8		
15:00-16:00	85.3		95.2		
16:00-17:00	84.8		96.8		
TWA 8 hr	85		100.9		
Standard	85		140 ⁽¹⁾		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare, The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022





REF.NO. : PM 63/0340

REPORT NO. : 040857/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

Sampling Date	:	05/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-

Time	Result	
	ห้อง Control Sand Line b2	
	Leq 1 hr	L _{max}
09:00-10:00	83.3	105.2
10:00-11:00	83.2	103.8
11:00-12:00	83.3	104.7
12:00-13:00	82.2	109.9
13:00-14:00	84.4	107.7
14:00-15:00	83.7	107.9
15:00-16:00	84.2	106.6
16:00-17:00	84.2	106.2
TWA 8 hr	84	109.9
Standard	85	100 ^[1]
Unit	dB(A)	

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

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(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022





REF.NO. : PM 65/0340

REPORT NO. : 040868/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	06/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณเจียรแต่ง Line b1				
	Leq 1 hr		L _{max}		
09:00-10:00	89.2		99.2		
10:00-11:00	90.7		99.5		
11:00-12:00	88.2		98.7		
12:00-13:00	84.8		96.5		
13:00-14:00	89.1		98.0		
14:00-15:00	88.9		93.8		
15:00-16:00	89.0		94.7		
16:00-17:00	88.9		93.6		
TWA 8 hr	89		99.5		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003)


(Ms. Pakhathitta Sunthornampai)
Measurement Staff and Analyst
27/04/2022





36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

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ORIGINAL

REF.NO. : PM 05/0340

REPORT NO. : 040870/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	06/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณ Store				
	Leq 1 hr		L _{max}		
09:00-10:00	79.7		93.6		
10:00-11:00	78.3		85.5		
11:00-12:00	80.1		89.2		
12:00-13:00	76.0		87.6		
13:00-14:00	79.6		91.5		
14:00-15:00	79.8		89.1		
15:00-16:00	79.6		89.6		
16:00-17:00	77.1		89.4		
TWA 8 hr	79		93.6		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare, The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003)

Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).


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Measurement Staff and Analyst
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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040869/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	06/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณซ่อมบำรุง				
	Leq 1 hr		L _{max}		
09:00-10:00	88.3		106.3		
10:00-11:00	84.0		102.4		
11:00-12:00	81.2		102.2		
12:00-13:00	79.6		94.7		
13:00-14:00	86.5		106.8		
14:00-15:00	89.3		103.1		
15:00-16:00	87.4		109.8		
16:00-17:00	82.9		96.7		
TWA 8 hr	86		109.8		
Standard	85		140 ^[1]		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003)


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Measurement Staff and Analyst
27/04/2022



36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

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ORIGINAL

REF.NO. : PM 05/0349

REPORT NO. : 040871/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	08/04/2022	Report Date	:	27/04/2022
Received Date	:	11/04/2022	Sampling By	:	Ms. Pakhathitta Sunthornampai
Analytical Date	:	11-26/04/2022	Analyst By	:	-
Time	Result				
	บริเวณปั่นได้				
	Leq 1 hr		L _{max}		
09:00-10:00	85.8		100.3		
10:00-11:00	83.9		100.3		
11:00-12:00	83.4		102.6		
12:00-13:00	82.3		97.0		
13:00-14:00	83.8		98.9		
14:00-15:00	84.6		97.1		
15:00-16:00	85.2		96.7		
16:00-17:00	85.6		91.9		
TWA 8 hr	85		102.6		
Standard	85		140 ⁽¹⁾		
Unit	dB(A)				

Remark : Sampling Method = Integrated Sound Level Meter.

Standard : Announces of the Department of Labor Protection and Welfare, The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : Regulation of the Ministry of Labor, Standard for Administration and Management of Safety, Occupational Health and Working Environment in Relation to Heat, Light and Noise, B.E. 2559 (2016).

: Notification Of Ministry Of Industry: The Safety Protection Measures For Business Operation Regarding To Working Environment, B.E.2546 (2003)

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ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040155/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAC PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณเครื่องผสมทราย Line b1; [REDACTED]		
	TWA	Dose	
09:03-21:03	85	100.0	
Standard	85	100 ⁽¹⁾	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ⁽¹⁾ : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.


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04/02/2022




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ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040156/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณเครื่องผสมทราย Line 1		
	TWA	Dose	
09:11-21:11	83	66.1	
Standard	85	100 ⁽¹⁾	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ⁽¹⁾ : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.


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ORIGINAL

REF.NO. : PM 65/0063
REPORT NO. : 040157/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MCO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณ Casting Cooler Line b1		
	TWA	Dose	
09:02-21:02	87	166.0	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.



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04/02/2022





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ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040158/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณ Casting Cooler Line b2; [REDACTED]		
	TWA	Dose	
09:06-21:06	87	158.5	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.



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04/02/2022





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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

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ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040153/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณเรือนแบบ (แยกกัน) Line b1; [REDACTED]		
	TWA	Dose	
09:17-21:17	91	398.1	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.



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04/02/2022





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ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040154/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 24/01/2022	Report Date	: 04/02/2022
Received Date	: 28/01/2022	Sampling By	: Mr. Chitsanuphon Toothong
Analytical Date	: 28/01/2022	Analyst By	: -
Time	Result		
	บริเวณห้องแบบ (แยกกัน) Line b2		
	TWA	Dose	
09:10-21:20	89	263	
Standard	85	100 ⁽¹⁾	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard⁽¹⁾ : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.


(Ms.Prpaporn Ngopoi)
Approved Signature
04/02/2022





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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040905/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 04/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -
Time	Result		
	บริเวณเครื่องผสมทราย Line b1		
	TWA	Dose	
09:23-20:11	85	100	
Standard	85	100 ^(a)	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^(a) : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



บริษัท เอ็ม ซี ที จำกัด MET CO.,LTD.

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

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ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040906/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.
ADDRESS	: 700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

Sampling Date	: 04/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -

Time	Result	
	บริเวณเครื่องผสมทราย Line b	
	TWA	Dose
09:24-19:24	86	131
Standard	85	100 ⁽¹⁾
Unit	dB(A)	%

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ⁽¹⁾ : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



บริษัท เอ็ม ซี ที จำกัด MET CO.,LTD.

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattara, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0380

REPORT NO. : 040907/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 07/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -
Time	Result		
	บริเวณ Casting Cooler Line b		
	TWA		
09:22-20:10	88	200	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



REF.NO. : PM 65/0340

REPORT NO. : 040908/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 07/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -
Time	Result		
	บริเวณ Casting Cooler Line b2;		
	TWA	Dose	
09:20-20:04	86	141	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



บริษัท เอ็ม ซี ที จำกัด MET CO.,LTD.

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattara, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040903/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.		
ADDRESS	: 700/89 MCO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670		
Sampling Date	: 04/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -
Time	Result		
	บริเวณรื้อแบบ (แยกด้าน) Line b1		
	TWA	Dose	
09:15-20:01	93	631	
Standard	85	100 ^[1]	
Unit	dB(A)	%	

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattara, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040904/2022

ANALYSIS REPORT

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

Sampling Date	: 04/04/2022	Report Date	: 27/04/2022
Received Date	: 11/04/2022	Sampling By	: Ms. Pakhathitta Sunthornampai
Analytical Date	: 11-26/04/2022	Analyst By	: -

Time	Result	
	บริเวณหรือแบบ (แยกงาน) Line b2	
	TWA	Dose
09:20-20:12	86	126
Standard	85	100 ^[1]
Unit	dB(A)	%

Remark : Sampling Method = Noise Dosimeter.

Standard : Announces of the Department of Labor Protection and Welfare. The standard of Time Weighted Average (TWA), B.E. 2561 (2018).

Standard ^[1] : NIOSH : CRITERIA FOR A RECOMMENDED STANDARD, Occupational Noise Exposure Revised Criteria 1998.

(Ms. Pakhathitta Sunthornampai)

Measurement Staff and Analyst

27/04/2022



36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ. นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0063

REPORT NO. : 040159-040164/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
Sampling Date	:	25/01/2022	Report Date	:	04/02/2022
Received Date	:	28/01/2022	Sampling By	:	Mr. Chitsanuphon Toothong
Analytical Date	:	28/01/2022	Analyst By	:	-

Frequency (Hz)	Octave Band					
	เครื่องผสมทราย Line b1	เครื่องผสมทราย Line b2	Casting Cooler Line b1	Casting Cooler Line b2	เครื่องรื้อแบบ แยกกัน Line b1	เครื่องรื้อแบบ แยกกัน Line b2
16.0	45.0	38.2	42.7	38.1	42.8	40.7
31.5	53.5	55.9	53.9	48.6	48.4	53.5
63	61.1	62.2	63.1	58.8	65.9	63.0
125	75.4	81.2	72.1	70.7	72.6	70.9
250	79.6	78.2	76.0	77.6	81.4	79.7
500	82.0	80.9	80.1	83.0	86.2	85.4
1000	82.8	84.3	84.7	83.4	88.6	87.4
2000	84.2	82.5	82.4	83.9	88.0	86.5
4000	79.9	78.7	74.3	79.6	83.7	83.5
8000	73.0	72.0	64.5	71.4	77.3	78.2
16000	59.5	59.9	49.0	59.9	63.5	66.3
Unit	[dB(A)]					

Remark : Sampling Method = Integrated Sound Level Meter.


(Ms. Prapaporn Ngopon)
Approved Signature
01/02/2022





36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0340

REPORT NO. : 040921-040926/2022

ANALYSIS REPORT

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.				
ADDRESS	:	700/89 MOO 1 BANGKAO PIANTHONG CHONBURI 20160				
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670				
Sampling Date	:	07/04/2565	Report Date	:	27/04/2565	
Received Date	:	07/04/2565	Sampling By	:	Ms.Prapaporn Ngopol	
Analytical Date	:	08-26/04/2565	Analyst By	:	-	
Frequency (Hz)	Octave Band					
	เครื่องผสมทราย Line b1	เครื่องผสมทราย Line b2	Casting Cooler Line b1	Casting Cooler Line b2	เครื่องรื้อแบบ แยกก้อน Line b1	เครื่องรื้อแบบ แยกก้อน Line b2
16.0	43.9	46.6	56.7	39.5	36.1	36.6
31.5	50.8	50.1	54.9	48.8	48.5	48.4
63	62.5	61.3	61.5	57.9	61.9	59.3
125	74.4	72.4	72.4	67.8	71.4	68.3
250	80.1	77.1	76.7	76.0	80.8	76.6
500	83.7	82.0	82.0	80.5	87.3	82.3
1000	84.3	84.4	85.7	81.3	90.3	84.0
2000	82.4	83.2	85.7	81.0	91.3	83.9
4000	78.3	76.8	79.2	77.2	86.4	79.2
8000	73.1	68.8	69.8	67.9	78.1	70.7
16000	58.0	54.6	57.6	57.8	64.9	56.5
Unit	[dB(A)]					

Remark : Sampling Method = Integrated Sound Level Meter.


(Ms.Prapaporn Ngopol)
Approved Signature
27/04/2565





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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-1

REPORT NO. : 050182/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME : ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160
COORDINATOR : QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

SAMPLING DATE : 25/01/2022 REPORT DATE : 04/02/2022
RECEIVED DATE : 25/01/2022 SAMPLING BY : Mr. Chitsanuphon Toothong (7-100-9-6516)
ANALYTICAL DATE : 25/01-03/02/2022 ANALYZED BY : Ms. Supaporn Namporn (7-100-9-7636)

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	02:10	-	p.m.
SAMPLE CONDITION	Observation	Yellow Turbid, Slightly SS	-	-
1. Temperature	Laboratory and Field Methods	29	-	°C
2. pH	Electrometric Method	10.1	-	-
3. COD	Closed Reflux, Titrimetric Method	80	-	mg/L
4. Suspended Solids	Dried at 103-105 °C	44.0	-	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	18	-	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	1.69	-	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.680	-	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	524	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(7-100-9-4859)

04/02/2022



Analysis results refer to submitted sample(s) only

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MET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-1

REPORT NO. : 050182/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

SAMPLING DATE	:	25/01/2022	REPORT DATE	:	04/02/2022
RECEIVED DATE	:	25/01/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	25/01-03/02/2022	ANALYZED BY	:	Ms. Supaporn Namporn

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	02:10	-	p.m.
SAMPLE CONDITION	Observation	Yellow Turbid, Slightly SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	2.10	-	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	3.5	-	mg/L
3. Fluoride	Spadns Method	1.4	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

04/02/2022



Analysis results refer to submitted sample(s) only

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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



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TESTING
No.019R
ORIGINAL

REF.NO. : PM 65/0049-1

REPORT NO. : 050183/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	: 700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

SAMPLING DATE	: 25/01/2022	REPORT DATE	: 04/02/2022
RECEIVED DATE	: 25/01/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (๓-100-๓-6516)
ANALYTICAL DATE	: 25/01-03/02/2022	ANALYZED BY	: Ms. Supaporn Namporn (๓-100-๓-7636)

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	02:15	-	p.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	29	45	°C
2. pH	Electrometric Method	7.6	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	55	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	2	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	<0.001	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.077	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	597	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

LOQ = Limit of Quantitation (SS <10.0 mg/L)

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.



(Ms.Sasithorn Suwanwiko)

Technical Manager

(๓-100-๓-4859)

04/02/2022



Analysis results refer to submitted sample(s) only

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MET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-1

REPORT NO. : 050183/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670

SAMPLING DATE	:	25/01/2022	REPORT DATE	:	04/02/2022
RECEIVED DATE	:	25/01/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	25/01-03/02/2022	ANALYZED BY	:	Ms. Supaporn Namporn

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	02:15	-	p.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.229	10.0	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.8	-	mg/L
3. Fluoride	Spadns Method	1.5	5	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

04/02/2022



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MET-F-7.8 05/Rev.02/02-08-64



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

Changwat Nonthaburi 11110

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TESTING
No.0198
ORIGINAL

REF.NO. : FM 65/0049-2

REPORT NO. : 050260/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	: 07/02/2022	REPORT DATE	: 18/02/2022
RECEIVED DATE	: 07/02/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (ว-100-จ-6516)
ANALYTICAL DATE	: 08-17/02/2022	ANALYZED BY	: Ms. Supaporn Namporn (ว-100-จ-7636)

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	10:49	-	a.m.
SAMPLE CONDITION	Observation	Yellow Turbid, Slightly SS	-	-
1. Temperature	Laboratory and Field Methods	29	-	°C
2. pH	Electrometric Method	7.5	-	-
3. COD	Closed Reflux, Titrimetric Method	83	-	mg/L
4. Suspended Solids	Dried at 103-105 °C	35.9	-	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	41	-	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	2.85	-	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	4.26	-	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	592	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(ว-100-ก-4859)

18/02/2022



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Page 1/1

36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuaotong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0049-2

REPORT NO. : 050260/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	:	07/02/2022	REPORT DATE	:	18/02/2022
RECEIVED DATE	:	07/02/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	08-17/02/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	10:49	-	a.m.
SAMPLE CONDITION	Observation	Yellow Turbid, Slightly SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	2.64	-	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.9	-	mg/L
3. Fluoride	Spadns Method	1.8	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

18/02/2022



Analysis results refer to submitted sample(s) only

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Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



Page 1/1

TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-2

REPORT NO. : 050261/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACIMILE NO. (038) 454 670			
SAMPLING DATE	: 07/02/2022	REPORT DATE	: 18/02/2022	
RECEIVED DATE	: 07/02/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (๖-100-๖-6516)	
ANALYTICAL DATE	: 08-17/02/2022	ANALYZED BY	: Ms. Supaporn Namporn (๖-100-๖-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	10:53	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	29	45	°C
2. pH	Electrometric Method	6.8	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	54	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<100	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	3	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	<0.001	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.053	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	626	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

LOQ = Limit of Quantitation (SS <10.0 mg/L)

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(๖-100-๖-4859)

18/02/2022



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36/659 หมู่ 6 ต.บางรักพัฒนา อ.บางบัวทอง จ.นนทบุรี 11110

36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0049-1

REPORT NO. : 050261/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	:	07/02/2022	REPORT DATE	:	18/02/2022
RECEIVED DATE	:	07/02/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	08-17/02/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	10:53	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	<0.001	10.0	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	1.5	-	mg/L
3. Fluoride	Spadns Method	2.0	5	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.



(Ms.Sasithorn Suwanviko)

Technical Manager

18/02/2022



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



TESTING
No.0198

ORIGINAL

REF.NO. : PM 65/0049-1(1)

REPORT NO. : 050214/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANIKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 451 671-7 FACIMILE NO. (038) 454 670			
SAMPLING DATE	:	01/02/2022	REPORT DATE	:	15/02/2022
RECEIVED DATE	:	03/02/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	03-14/02/2022	ANALYZED BY	:	Ms. Supaporn Namporn
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
Sampling Time	-	09:43	-	a.m.	
Sample Condition	Observation	Clear	-	-	
1. Temperature	Laboratory and Field Methods	30.0 ¹⁷	45	°C	
2. pH	Electrometric Method	7.52 ¹⁷	5.5-9.0	-	
3. COD	Closed Reflux, Titrimetric Method	<40	750	mg/L	
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L	
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L	
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	<2	500	mg/L	
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L	
8. Zinc	Digestion, Inductively Coupled Plasma Method	<0.001	5.0	mg/L	
9. Nickel	Digestion, Inductively Coupled Plasma Method	<0.003	1.0	mg/L	
10. Total Dissolved Solids*	Dried at 180 °C	422	3,000	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

¹⁷ = Analysis by United Analyst and Engineering Consultant Co., Ltd.

LOQ = Limit of Quantitation (<10.0 mg/L)

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

(Signature)
(Ms.Sasithorn Suwanwiko)
Technical Manager
15/02/2022



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_j@yahoo.com

ORIGINAL

REF NO. : PM 65/0049-111)

REPORT NO. : 050214/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO.,LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	01/02/2022	REPORT DATE	:	15/02/2022
RECEIVED DATE	:	03/02/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	03-14/02/2022	ANALYZED BY	:	Ms. Supaporn Namporn
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
Sampling Time	-	09:43	-	a.m.	
Sample Condition	Observation	Clear	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	<0.001	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	6.8	-	mg/L	
3. Fluoride	SPADNS Method	0.40	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

15/02/2022

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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-3

REPORT NO. : 050606/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 571-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	14/03/2022	REPORT DATE	:	24/03/2022
RECEIVED DATE	:	14/03/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong (๖-100-๖-6516)
ANALYTICAL DATE	:	14-23/03/2022	ANALYZED BY	:	Ms. Supaporn Namporn (๖-100-๖-7636)
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Influence			
SAMPLING TIME	-	10:52	-	a.m.	
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-	
1. Temperature	Laboratory and Field Methods	33	-	°C	
2. pH	Electrometric Method	6.7	-	-	
3. COD	Closed Reflux, Titrimetric Method	80	-	mg/L	
4. Suspended Solids	Dried at 103-105 °C	37.3	-	mg/L	
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L	
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	21	-	mg/L	
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L	
8. Zinc	Digestion, Inductively Coupled Plasma Method	2.98	-	mg/L	
9. Nickel	Digestion, Inductively Coupled Plasma Method	4.10	-	mg/L	
10. Total Dissolved Solids*	Dried at 180 °C	475	-	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(๖-100-๖-4859)

24/03/2022



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REF.NO. : PM 65/0049-3

REPORT NO. : 050606/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	:	14/03/2022	REPORT DATE	:	24/03/2022
RECEIVED DATE	:	14/03/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	14-23/03/2022	ANALYZED BY	:	Ms. Salfon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	10:52	-	a.m.
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	3.92	-	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	3.1	-	mg/L
3. Fluoride	Spadns Method	1.7	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

24/03/2022



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-3

REPORT NO. : 050607/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 14/03/2022	REPORT DATE	: 24/03/2022	
RECEIVED DATE	: 14/03/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (1-100-9-6516)	
ANALYTICAL DATE	: 14-23/03/2022	ANALYZED BY	: Ms. Supaporn Namporn (1-100-9-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	10:55	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	33	45	°C
2. pH	Electrometric Method	6.1	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	65	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	9	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.091	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.366	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	624	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

LOQ= Limit of Quantitation (TSS <10.0 mg/L)

* = Test result / Analysis Report within the scope of certification.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.



(Ms.Sasithorn Suwanwilko)

Technical Manager

(1-100-9-4859)

24/03/2022



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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong, Changwat Nonthaburi 11110

Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0049-1

REPORT NO. : 050607/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	14/03/2022	REPORT DATE	:	24/03/2022
RECEIVED DATE	:	14/03/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	14-23/03/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Effluence			
SAMPLING TIME	-	10:55	-	a.m.	
SAMPLE CONDITION	Observation	Clear	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.277	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	0.54	-	mg/L	
3. Fluoride	Spadns Method	1.6	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.


(Ms.Sasithorn Suwanwiko)
Technical Manager

24/03/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-3(1)

REPORT NO. : 050455/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME : ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS : 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR : QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION : TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE : 01/03/2022 REPORT DATE : 10/03/2022
RECEIVED DATE : 03/03/2022 SAMPLING BY : United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE : 03-09/03/2022 ANALYZED BY : Ms. Supaporn Namporn

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Sampling Pit		
SAMPLING TIME	-	09:15	-	a.m.
SAMPLE CONDITION	Observation	Green Clear, Slightly SS	-	-
1. Temperature	Laboratory and Field Methods	30.8 ^{1/}	45	°C
2. pH	Electrometric Method	7.90 ^{1/}	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	<40	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	17.0	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	<2	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.060	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.031	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	492	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

^{1/} = Analysis by United Analyst and Engineering Consultant Co., Ltd.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(1-100-8-4859)

10/03/2022



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0049-3(1)

REPORT NO. : 050455/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	01/03/2022	REPORT DATE	:	10/03/2022
RECEIVED DATE	:	03/03/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	03-09/03/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
SAMPLING TIME	-	09:15	-	a.m.	
SAMPLE CONDITION	Observation	Green Clear, Slightly SS	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.143	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	7.5	-	mg/L	
3. Fluoride	Spadns Method	0.64	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

10/03/2022



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Changwat Nonthaburi 11110

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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-4

REPORT NO. : 050827/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.				
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160				
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT				
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670				
SAMPLING DATE		:	07/04/2022	REPORT DATE	:	22/04/2022
RECEIVED DATE		:	07/04/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong (7-100-9-6516)
ANALYTICAL DATE		:	08-21/04/2022	ANALYZED BY	:	Ms. Supaporn Namporn (7-100-9-7636)
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT		
		Influence				
SAMPLING TIME	-	11:42	-	a.m.		
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-		
1. Temperature	Laboratory and Field Methods	30	-	°C		
2. pH	Electrometric Method	7.6	-	-		
3. COD	Closed Reflux, Titrimetric Method	85	-	mg/L		
4. Suspended Solids	Dried at 103-105 °C	21.3	-	mg/L		
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L		
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	8	-	mg/L		
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L		
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.759	-	mg/L		
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.739	-	mg/L		
10. Total Dissolved Solids*	Dried at 180 °C	659	-	mg/L		

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(7-100-9-4859)

22/04/2022



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NET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-4

REPORT NO. : 050827/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.		
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160		
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT		
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670		
SAMPLING DATE	:	07/04/2022	REPORT DATE	: 22/04/2022
RECEIVED DATE	:	07/04/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	08-21/04/2022	ANALYZED BY	: Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	11:42	-	a.m.
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	1.40	-	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	0.58	-	mg/L
3. Fluoride	Spadns Method	1.7	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

22/04/2022



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_ji@yahoo.com



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-4

REPORT NO. : 050828/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 07/04/2022	REPORT DATE	: 22/04/2022	
RECEIVED DATE	: 07/04/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (๓-100-๓-6516)	
ANALYTICAL DATE	: 08-21/04/2022	ANALYZED BY	: Ms. Supaporn Namporn (๓-100-๓-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	11:45	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	29	45	°C
2. pH	Electrometric Method	6.5	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	73	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	6	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.082	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.131	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	811	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

LOQ= Limit of Quantitation (TSS <10.0 mg/L)

* = Test result / Analysis Report within the scope of certification.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.


(Ms.Sasithorn Suwanwiko)

Technical Manager

(๓-100-๓-4859)

22/04/2022



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MET-F-7 8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-4

REPORT NO. : 050828/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 07/04/2022	REPORT DATE	: 22/04/2022	
RECEIVED DATE	: 07/04/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong	
ANALYTICAL DATE	: 08-21/04/2022	ANALYZED BY	: Ms. Saifon Thongdonkham	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	11:45	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.375	10.0	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	0.09	-	mg/L
3. Fluoride	Spadns Method	1.7	5	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

22/04/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-4(1)

REPORT NO. : 050808/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANGAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 06/04/2022	REPORT DATE	: 20/04/2022	
RECEIVED DATE	: 06/04/2022	SAMPLING BY	: United Analyst and Engineering Consultant Co., Ltd.	
ANALYTICAL DATE	: 07-19/04/2022	ANALYZED BY	: Ms. Supaporn Namporn	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Sampling Pit		
SAMPLING TIME	-	08:15	-	a.m.
SAMPLE CONDITION	Observation	Green Clear	-	-
1. Temperature	Laboratory and Field Methods	31.8 ^{1/}	45	°C
2. pH	Electrometric Method	7.73 ^{1/}	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	55	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	2	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.021	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.060	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	768	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

^{1/} = Analysis by United Analyst and Engineering Consultant Co., Ltd.

LOQ = Limit of Quantitation (SS <10.0 mg/L)

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.



(Ms.Sasithorn Suwanwiko)

Technical Manager

(1-00-4-4859)

20/04/2022



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MET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-4(1)

REPORT NO. : 050808/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	06/04/2022	REPORT DATE	:	20/04/2022
RECEIVED DATE	:	06/04/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	07-19/04/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
SAMPLING TIME	-	08:15	-	a.m.	
SAMPLE CONDITION	Observation	Green Clear	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.179	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.7	-	mg/L	
3. Fluoride	Spadns Method	1.8	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

20/04/2022

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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-5

REPORT NO. : 050996/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 09/05/2022	REPORT DATE	: 20/05/2022	
RECEIVED DATE	: 09/05/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong (ว-100-ท-6516)	
ANALYTICAL DATE	: 10-19/05/2022	ANALYZED BY	: Ms. Supaporn Namporn (ว-100-ท-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	02:00	-	p.m.
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-
1. Temperature	Laboratory and Field Methods	31	-	°C
2. pH	Electrometric Method	9.7	-	-
3. COD	Closed Reflux, Titrimetric Method	153	-	mg/L
4. Suspended Solids	Dried at 103-105 °C	48.2	-	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	58	-	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	4.47	-	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.657	-	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	568	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.


(Ms.Sasithorn Sunarwiko)
Technical Manager
(ว-100-ท-4859)
20/05/2022



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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com

ORIGINAL

REF.NO. : PM 65/0049-5

REPORT NO. : 050996/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	09/05/2022	REPORT DATE	:	20/05/2022
RECEIVED DATE	:	09/05/2022	SAMPLING BY	:	Mr. Chitsanuphon Toothong
ANALYTICAL DATE	:	10-19/05/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Influence			
SAMPLING TIME	-	02:00	-	p.m.	
SAMPLE CONDITION	Observation	Yellow Clear, Slightly SS	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	5.73	-	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.0	-	mg/L	
3. Fluoride	Spedns Method	1.4	-	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

- = Not configured for control.


(Ms.Sasithorn Suwarwiko)
Technical Manager
22/04/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : PIA 65/0049-5

REPORT NO. : 050997/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME

:

ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.

ADDRESS

:

700/89 MOO 1 BANGKAO PHANTHONG CHONBURI 20160

COORDINATOR

:

QMS & ENVIRONMENT DEPARTMENT

CONTACT INFORMATION

:

TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE

:

09/05/2022

REPORT DATE

:

20/05/2022

RECEIVED DATE

:

09/05/2022

SAMPLING BY

:

Mr. Chitsanuphon Toothong (๓-100-๙-6516)

ANALYTICAL DATE

:

10-19/05/2022

ANALYZED BY

:

Ms. Supaporn Namporn (๓-100-๙-7636)

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	02:05	-	p.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	31	45	°C
2. pH	Electrometric Method	7.3	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	94	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	13	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.042	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.123	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	707	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

LOQ= Limit of Quantitation (TSS <10.0 mg/L)

* = Test result / Analysis Report within the scope of certification.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

Sasithorn Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(๓-100-๙-4859)

20/05/2022



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MET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-5

REPORT NO. : 050997/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	: 09/05/2022	REPORT DATE	: 20/05/2022
RECEIVED DATE	: 09/05/2022	SAMPLING BY	: Mr. Chitsanuphon Toothong
ANALYTICAL DATE	: 10-19/05/2022	ANALYZED BY	: Ms. Salfon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	02:05	-	p.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.206	10.0	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	1.6	-	mg/L
3. Fluoride	Spadns Method	1.7	5	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.


(Ms.Sasithorn Suwanwiko)
Technical Manager
20/05/2022





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36/659 Moo 6, Tambon Bangrakpattana, Amphoe Bangbuatong,

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Tel : 0 2920 1458-9 Fax : 0 2920 1460 E-mail : met_jj@yahoo.com



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-5(1)

REPORT NO. : 050937/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PH-ANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	04/05/2022	REPORT DATE	:	13/05/2022
RECEIVED DATE	:	05/05/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	06-12/05/2022	ANALYZED BY	:	Ms. Supaporn Namporn
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
SAMPLING TIME	-	15:00	-	p.m.	
SAMPLE CONDITION	Observation	yellow Clear	-	-	
1. Temperature	Laboratory and Field Methods	30.8 ^{1/}	45	°C	
2. pH	Electrometric Method	7.96 ^{1/}	5.5-9.0	-	
3. COD	Closed Reflux, Titrimetric Method	94	750	mg/L	
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L	
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L	
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	7	500	mg/L	
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L	
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.020	5.0	mg/L	
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.103	1.0	mg/L	
10. Lead	Digestion, Inductively Coupled Plasma Method	<0.002	0.2	mg/L	
11. Total Dissolved Solids*	Dried at 180 °C	773	3,000	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

^{1/} = Analysis by United Analyst and Engineering Consultant Co., Ltd.

LOQ= Limit of Quantitation (SS <10.0 mg/L)

Standard : Notification of Industrial Estate Authority of Thailand 78/2560

(Ms.Sasithorn Suwanwiko)

Technical Manager

(๖-100-๖-4859)

13/05/2022



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MET-F-7.8 07/Rev.02/02-08-64



REF.NO. : PM 65/0049-S(1)

REPORT NO. : 050937/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	04/05/2022	REPORT DATE	:	13/05/2022
RECEIVED DATE	:	05/05/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	06-12/05/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
SAMPLING TIME	-	15:00	-	p.m.	
SAMPLE CONDITION	Observation	yellow Clear	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.333	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.2	-	mg/L	
3. Fluoride	Spadns Method	2.0	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.


(Ms.Sasithorn Suwanwiko)
Technical Manager
13/05/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : FM 65/0049-6

REPORT NO. : 051229/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 13/06/2022	REPORT DATE	: 22/06/2022	
RECEIVED DATE	: 13/06/2022	SAMPLING BY	: Mr. Phongthon Phiasa (๖-100-๖-7643)	
ANALYTICAL DATE	: 14-22/06/2022	ANALYZED BY	: Ms. Supaporn Namporn (๖-100-๖-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	10:40	-	a.m.
SAMPLE CONDITION	Observation	White Turbid, Moderately SS	-	-
1. Temperature	Laboratory and Field Methods	32	-	°C
2. pH	Electrometric Method	5.1	-	-
3. COD	Closed Reflux, Titrimetric Method	106	-	mg/L
4. Suspended Solids	Dried at 103-105 °C	98.0	-	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	-	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	26	-	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	-	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	29.8	-	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	36.6	-	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	1,440	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

- = Not configured for control.

S. Sasithorn
(Ms.Sasithorn Suwanwiko)

Technical Manager

(๖-100-๖ 4859)

22/06/2022



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MET-F-7.8-07/Rev.02/02-08-64



REF.NO. : PM 65/0049-6

REPORT NO. : 051229/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	: 13/06/2022	REPORT DATE	: 22/06/2022
RECEIVED DATE	: 13/06/2022	SAMPLING BY	: Mr. Phongthon Phlisa
ANALYTICAL DATE	: 14-22/06/2022	ANALYZED BY	: Ms. Saifon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Influence		
SAMPLING TIME	-	10:40	-	a.m.
SAMPLE CONDITION	Observation	White Turbid, Moderately SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	1.92	-	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	4.8	-	mg/L
3. Fluoride	Spadns Method	1.9	-	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

- = Not configured for control.

(Ms.Sasithorn Suwanwiko)

Technical Manager

22/06/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-6

REPORT NO. : 051230/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	: 13/06/2022	REPORT DATE	: 22/06/2022	
RECEIVED DATE	: 13/06/2022	SAMPLING BY	: Mr. Phongthon Phiasa (๖-100-๖-7643)	
ANALYTICAL DATE	: 14-22/06/2022	ANALYZED BY	: Ms. Supaporn Namporn (๖-100-๖-7636)	
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Effluence		
SAMPLING TIME	-	10:45	-	a.m.
SAMPLE CONDITION	Observation	Clear	-	-
1. Temperature	Laboratory and Field Methods	31	45	°C
2. pH	Electrometric Method	5.9	5.5-9.0	-
3. COD	Closed Reflux, Titrimetric Method	50	750	mg/L
4. Suspended Solids	Dried at 103-105 °C	<LOQ	200	mg/L
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	9	500	mg/L
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.034	5.0	mg/L
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.160	1.0	mg/L
10. Total Dissolved Solids*	Dried at 180 °C	485	3,000	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

LOQ = Limit of Quantitation (TSS <10.0 mg/L)

* = Test result / Analysis Report within the scope of certification.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

S. Sasithorn

(Ms.Sasithorn Suwanwiko)

Technical Manager

(๖-100-๖-4859)

22/06/2022



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ORIGINAL

REF.NO. : PM 65/0049-5

REPORT NO. : 051230/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	OMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	13/06/2022	REPORT DATE	:	22/06/2022
RECEIVED DATE	:	13/06/2022	SAMPLING BY	:	Mr. Phonthon Phiasa
ANALYTICAL DATE	:	14-22/06/2022	ANALYZED BY	:	Ms. Saifon Thongdonkham
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Effluence			
SAMPLING TIME	-	10:45	-	a.m.	
SAMPLE CONDITION	Observation	Clear	-	-	
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.165	10.0	mg/L	
2. Magnesium	Digestion, Inductively Coupled Plasma Method	2.0	-	mg/L	
3. Fluoride	Spadns Method	1.9	5	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)
Technical Manager

22/06/2022



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TESTING
No.0198
ORIGINAL

REF.NO. : PM 65/0049-6(1)

REPORT NO. : 051149/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	:	ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.			
ADDRESS	:	700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160			
COORDINATOR	:	QMS & ENVIRONMENT DEPARTMENT			
CONTACT INFORMATION	:	TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670			
SAMPLING DATE	:	06/06/2022	REPORT DATE	:	16/06/2022
RECEIVED DATE	:	06/06/2022	SAMPLING BY	:	United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	:	07-15/06/2022	ANALYZED BY	:	Ms. Supaporn Namporn
PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT	
		Sampling Pit			
SAMPLING TIME	-	11:10	-	a.m.	
SAMPLE CONDITION	Observation	Green Turbid, Slightly SS	-	-	
1. Temperature	Laboratory and Field Methods	32.5 ^{1/}	45	°C	
2. pH	Electrometric Method	8.02 ^{1/}	5.5-9.0	-	
3. COD	Closed Reflux, Titrimetric Method	96	750	mg/L	
4. Suspended Solids	Dried at 103-105 °C	30.1	200	mg/L	
5. Oil & Grease	Liquid-Liquid Partition-Gravimetric Method	<5	10	mg/L	
6. BOD ₅	5-Day BOD Test, Membrane Electrode Method	11	500	mg/L	
7. Copper	Digestion, Inductively Coupled Plasma Method	<0.06	2.0	mg/L	
8. Zinc	Digestion, Inductively Coupled Plasma Method	0.010	5.0	mg/L	
9. Nickel	Digestion, Inductively Coupled Plasma Method	0.098	1.0	mg/L	
10. Total Dissolved Solids*	Dried at 180 °C	684	3,000	mg/L	

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF. Edition 23rd, 2017.

* = Test result / Analysis Report within the scope of certification.

^{1/} = Analysis by United Analyst and Engineering Consultant Co., Ltd.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

S. Suwanwiko

(Ms.Sasithorn Suwanwiko)

Technical Manager

(1-100-8-4859)

16/06/2022



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REF.NO. : PM 65/0049-6(1)

REPORT NO. : 051149/2022

ANALYSIS REPORT FOR WASTEWATER

CLIENT NAME	: ASIN TAKAOKA FOUNDRY BANGPAKONG CO., LTD.
ADDRESS	: 700/89 MOO 1 BANKAO PHANTHONG CHONBURI 20160
COORDINATOR	: QMS & ENVIRONMENT DEPARTMENT
CONTACT INFORMATION	: TELEPHONE NO. (038) 454 671-7 FACSIMILE NO. (038) 454 670

SAMPLING DATE	: 06/06/2022	REPORT DATE	: 16/06/2022
RECEIVED DATE	: 06/06/2022	SAMPLING BY	: United Analyst and Engineering Consultant Co., Ltd.
ANALYTICAL DATE	: 07-15/06/2022	ANALYZED BY	: Ms. Saifon Thongdonkham

PARAMETERS	METHOD OF ANALYSIS	RESULT	STANDARD	UNIT
		Sampling Pit		
SAMPLING TIME	-	11:10	-	p.m.
SAMPLE CONDITION	Observation	Green Turbid, Slightly SS	-	-
1. Total Iron	Digestion, Inductively Coupled Plasma Method	0.222	10.0	mg/L
2. Magnesium	Digestion, Inductively Coupled Plasma Method	<0.05	-	mg/L
3. Fluoride	Spadns Method	1.7	5	mg/L

Remark :

Method = Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, Edition 23rd, 2017.

Standard : Notification of Industrial Estate Authority of Thailand 76/2560.

- = Not configured for control.


(Ms.Sasithorn Suwanwiko)
Technkal Manager
16/06/2022

