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CONSULTANT CENTER AND LAB. CORP., LTD.

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WASTEWATER ANALYSIS REPORT

Analysis No.- 0018/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.

ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapradaeng, Samutprakarn 10130

SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area

SAMPLING TYPE : Effluent

SAMPLING DATE : January 8, 2024

RECEIVED DATE : January 8, 2024

SAMPLING TIME : 09.15 AM

ANALYTICAL DATE : January 8 – 16, 2024

SAMPLING BY : Mr. Prasit Yoopoon Reg. No. 3-325-จ-9567

REPORT DATE : January 16, 2024

SAMPLING METHOD : GRAB

REPORT NO. : MN-MCS 1/66

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0018/67 A-Area	B-Area 0018/67 B-Area	C-Area 0018/67 C-Area	D-Area 0018/67 D-Area	F-Area 0018/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	7.7 (at 26.0°C)	7.8 (at 24.1°C)	7.7 (at 25.5°C)	7.8 (at 25.3°C)	7.7 (at 25.6°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	168	182	170	220	168	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	< 40.0	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by <u>Saijai Donmuen</u> Miss Saijai Donmuen Analyst Reg. No. 3-325-จ-9568		Approved by <u>Lumpoung Pongpa.</u> Miss Lumpoung Pongpa Technical manager Reg. No. 3-325-ก-9564
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• The above results are valid only for the analyzed/ tested sample(s) as indicated in this report.

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F-CCL-7.8-001R4 (1/10/65)



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WASTEWATER ANALYSIS REPORT

Analysis No.- 0133/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.
ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapadaeng, Samutprakarn 10130
SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area
SAMPLING TYPE : Effluent
SAMPLING DATE : February 9, 2024 **RECEIVED DATE** : February 9, 2024
SAMPLING TIME : 08.55 AM **ANALYTICAL DATE** : February 9 – 17, 2024
SAMPLING BY : Mr. Prasit Yoopoon Reg. No. ๓-325-๓-9567 **REPORT DATE** : February 17, 2024
SAMPLING METHOD : GRAB **REPORT NO.** : MN-MCS 2/66

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0133/67 A-Area	B-Area 0133/67 B-Area	C-Area 0133/67 C-Area	D-Area 0133/67 D-Area	F-Area 0133/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	7.1 (at 24.4°C)	7.4 (at 24.9°C)	7.4 (at 24.8°C)	7.4 (at 24.6°C)	7.5 (at 25.1°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	156	192	160	182	154	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	7.56	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	40.2	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by <u>Saijai Donmuen</u> Miss Saijai Donmuen Analyst Reg. No. ๓-325-๓-9568		Approved by <u>Lumpoung Pongpa</u> Miss Lumpoung Pongpa Technical manager Reg. No. ๓-325-๓-9564
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WASTEWATER ANALYSIS REPORT

Analysis No.- 0210/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.
ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapradaeng, Samutprakarn 10130
SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area
SAMPLING TYPE : Effluent
SAMPLING DATE : March 6, 2024 **RECEIVED DATE** : March 6, 2024
SAMPLING TIME : 08.40 AM **ANALYTICAL DATE** : March 6 – 14, 2024
SAMPLING BY : Mr. Prasit Yoopoon Reg. No. 3-325-จ-9567 **REPORT DATE** : March 14, 2024
SAMPLING METHOD : GRAB **REPORT NO.** : MN-MCS 3/67

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0210/67 A-Area	B-Area 0210/67 B-Area	C-Area 0210/67 C-Area	D-Area 0210/67 D-Area	F-Area 0210/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	7.3 (at 24.5°C)	7.2 (at 24.7°C)	7.4 (at 23.8°C)	7.5 (at 24.4°C)	7.5 (at 25.1°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	< 2.50	2.80	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	202	162	156	352	452	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	4.72	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	< 40.0	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by <u>Saijai Donmuen</u> Miss Saijai Donmuen Analyst Reg. No. 3-325-จ-9568		Approved by <u>Lumpoung Pongpa</u> Miss Lumpoung Pongpa Technical manager Reg. No. 3-325-ก-9564
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WASTEWATER ANALYSIS REPORT

Analysis No.- 0328/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.
ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapradaeng, Samutprakarn 10130
SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area
SAMPLING TYPE : Effluent
SAMPLING DATE : April 9, 2024 **RECEIVED DATE** : April 9, 2024
SAMPLING TIME : 09.00 AM **ANALYTICAL DATE** : April 9 – 19, 2024
SAMPLING BY : Mr. Prasit Yoopoon Reg. No. 3-325-ก-9567 **REPORT DATE** : April 19, 2024
SAMPLING METHOD : GRAB **REPORT NO.** : MN-MCS 4/67

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0328/67 A-Area	B-Area 0328/67 B-Area	C-Area 0328/67 C-Area	D-Area 0328/67 D-Area	F-Area 0328/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	7.1 (at 24.1°C)	7.1 (at 23.6°C)	7.2 (at 23.7°C)	7.3 (at 23.5°C)	7.4 (at 23.7°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	3.70	2.50	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	148	146	140	158	140	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	< 40.0	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by <i>Saijai Donmuen</i> Miss Saijai Donmuen Analyst Reg. No. 3-325-ก-9568		Approved by <i>Lumpoung Pongpa</i> Miss Lumpoung Pongpa Technical manager Reg. No. 3-325-ก-9564
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WASTEWATER ANALYSIS REPORT

Analysis No.- 0442/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.

ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapradaeng, Samutprakarn 10130

SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area

SAMPLING TYPE : Effluent

SAMPLING DATE : May 16, 2024

RECEIVED DATE : May 16, 2024

SAMPLING TIME : 09.15 AM

ANALYTICAL DATE : May 16 – 25, 2024

SAMPLING BY : Mr. Prasit Yoopoon Reg. No. 3-325-ก-9567

REPORT DATE : May 25, 2024

SAMPLING METHOD : GRAB

REPORT NO. : MN-MCS 5/67

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0442/67 A-Area	B-Area 0442/67 B-Area	C-Area 0442/67 C-Area	D-Area 0442/67 D-Area	F-Area 0442/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	7.0 (at 26.2°C)	7.5 (at 26.1°C)	7.6 (at 26.0°C)	7.5 (at 26.1°C)	7.5 (at 25.7°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	266	226	196	394	186	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	< 40.0	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by <u>Saijai Donmuen</u> Miss Saijai Donmuen Analyst Reg. No. 3-325-ก-9568		Approved by <u>Lumpoung Pongpa.</u> Miss Lumpoung Pongpa Technical manager Reg. No. 3-325-ก-9564
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WASTEWATER ANALYSIS REPORT

Analysis No.- 0532/67

Page 1/1

CLIENT NAME : MC SIAM LOGISTICS CO., LTD.

ADDRESS : 157/1 Moo 2, Suksawad Rd., Bangjark, Prapradaeng, Samutprakarn 10130

SAMPLING SOURCE : Effluents of A-Area, B-Area, C-Area, D-Area and F-Area

SAMPLING TYPE : Effluent

SAMPLING DATE : June 14, 2024

RECEIVED DATE : June 14, 2024

SAMPLING TIME : 09.00 AM

ANALYTICAL DATE : June 14 – 22, 2024

SAMPLING BY : Mr. Phoowis Kengkla Reg. No. 3-325-ก-9573

REPORT DATE : June 22, 2024

SAMPLING METHOD : GRAB

REPORT NO. : MN-MCS 6/67

Parameter	Unit	Analysis method	Effluent					Effluent Standard*
			A-Area 0532/67 A-Area	B-Area 0532/67 B-Area	C-Area 0532/67 C-Area	D-Area 0532/67 D-Area	F-Area 0532/67 F-Area	
1. pH	--	In-house method: Tm-CCL-7.2-001 based on SM, part 4500-H ⁺ B	8.0 (at 26.7°C)	7.8 (at 26.7°C)	7.9 (at 25.9°C)	7.8 (at 26.2°C)	7.8 (at 26.7°C)	5.5 - 9.0
2. TSS	mg/L	Dried at 103 – 105°C (SM, 2540 D)	< 2.50	< 2.50	< 2.50	< 2.50	< 2.50	≤ 50
3. TDS	mg/L	Dried at 180°C (SM, 2540 C)	170	192	162	200	162	≤ 3,000
4. BOD ₅	mg/L	5-Day BOD Test, Membrane Electrode Method (SM, 4500-O G and 5210 B)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	≤ 20
5. COD	mg/L	Closed Reflux, Titrimetric Method (SM, 5220 C)	< 40.0	< 40.0	< 40.0	< 40.0	< 40.0	≤ 120
6. Oil & Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM, 5520 B)	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	≤ 5
Sample condition								
Water's Color/Turbidity			Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	Colorless/ Clear	
Sediment			-	-	-	-	-	

NOTE : SM : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017.

* The standard of Ministry Industry (B.E.2560).

Reviewed by Saijai Donmuen Miss Saijai Donmuen Analyst Reg. No. 3-325-ก-9568	Approved by Lumpoung Pongpa. Miss Lumpoung Pongpa Technical manager Reg. No. 3-325-ก-9564
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