

ภาคผนวกที่ 1

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

Request No. LA65-0718

Report No. 6508-0001

TEST REPORT

CUSTOMER : MDX Public Co.,Ltd.

ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao

SAMPLE SOURCE : MDX Public Co.,Ltd.

SAMPLE POINT : ปล่องเตาเผาขยะ

SAMPLING DATE : 20/07/2022

SAMPLE NO. : 03996-03997

RECEIVED DATE : 21/07/2022

SAMPLING TIME : 10:10-10:45

TESTED DATE : 21-26/07/2022

REPORTED DATE : 02/08/2022

STACK DESCRIPTION

Height:	21.00	m	Type Of Process :	Combustion
Diameter:	0.70	m	Type Of Fuel :	LPG
Temperature:	162.00	°C	Operation Capacity :	400-500 Kg/hr.
Air Velocity:	7.91	m/s	Oxygen Content :	17.38 %
Flow rate ² :	1.99	m ³ /s	Barometric Pressure :	754.75 mmHg
Moisture Content:	3.78	%	Atmospheric Temperature :	31.00 °C

PARAMETER*	TEST METHOD	TIME	RESULT ²		STD ¹	UNIT
			17.38 % O ₂	7 % O ₂		
Particulate (TSP)	Isokinetic, Gravimetric	10:10-10:45	6.2	24.5	400	mg/m ³
Sulfur Dioxide (SO ₂)	Absorption, Barium Thorin Titrimetric	10:10-10:40	<3.4 <1.3	<3.4 ³ <1.3 ³	78.5 30	mg/m ³ ppm

REMARK:

¹ NOTIFICATION OF MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2553 (2010)² DRY BASIS (25⁰C, 760 mm.Hg)³ Result of Actual % O₂

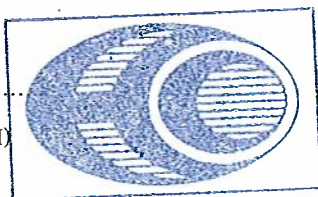
* SAMPLING BY MR. AUDOUMSUB JENJOBING (จ-003-จ-8894)

Examined By.....

(MISS APIRADEE CHUEN-AROM)

(จ-003-ก-4377)

02/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

(จ-003-ก-5618)

02/08/2022

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Request No. ATR6507054

Report No. 6507-0646 - 6507-0648

TEST REPORT

CUSTOMER : MDX Public Co.,Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co.,Ltd.
 SAMPLE NAME : บ้านไผ่ล้อม
 RECEIVED DATE : 25/07/2022 SAMPLE NO. : A65070646 - A65070648
 TESTED DATE : 25/07/2022-27/07/2022 REPORTED DATE : 04/08/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	18-19/07/2022	0.068	0.33	mg/m ³
		19-20/07/2022	0.090	0.33	mg/m ³
		20-21/07/2022	0.037	0.33	mg/m ³

REMARK:

^{/1} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoyon)

04/08/2022

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Request No. ATR6507054

Report No. 6507-0649 - 6507-0651

TEST REPORT

CUSTOMER : MDX Public Co.,Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co.,Ltd.
 SAMPLE NAME : บ้านเงินไร่
 RECEIVED DATE : 25/07/2022 SAMPLE NO. : A65070649 - A65070651
 TESTED DATE : 25/07/2022-27/07/2022 REPORTED DATE : 04/08/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	18-19/07/2022	0.028	0.33	mg/m ³
		19-20/07/2022	0.032	0.33	mg/m ³
		20-21/07/2022	0.016	0.33	mg/m ³

REMARK:

¹ Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoon)

04/08/2022

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Request No. ATR6507054

Report No. 6507-0652 - 6507-0654

TEST REPORT

CUSTOMER : MDX Public Co.,Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co.,Ltd.
 SAMPLE NAME : บ้านแปลงยาววน
 RECEIVED DATE : 25/07/2022 SAMPLE NO. : A65070652 - A65070654
 TESTED DATE : 25/07/2022-27/07/2022 REPORTED DATE : 04/08/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	18-19/07/2022	0.041	0.33	mg/m ³
		19-20/07/2022	0.047	0.33	mg/m ³
		20-21/07/2022	0.024	0.33	mg/m ³

REMARK:

^{1/} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsohon)

04/08/2022

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Request No. ATR6507054

Report No. 6507-0655 - 6507-0657

TEST REPORT

CUSTOMER : MDX Public Co.,Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co.,Ltd.
 SAMPLE NAME : บ้านแปลงไม้แดง
 RECEIVED DATE : 25/07/2022 SAMPLE NO. : A65070655 - A65070657
 TESTED DATE : 25/07/2022-27/07/2022 REPORTED DATE : 04/08/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	18-19/07/2022	0.054	0.33	mg/m ³
		19-20/07/2022	0.055	0.33	mg/m ³
		20-21/07/2022	0.032	0.33	mg/m ³

REMARK:

^{1/} Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsoon)

04/08/2022

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Request No. LA65-R07100

Report No. R6507-4563 - R6507-4565

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บ้านไผ่ล้อม
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 5700

SAMPLE NO. : 20438-20440
SAMPLING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
10:00 - 11:00 ³	0.035	0.028	0.028	ppm
11:00 - 12:00	0.033	0.028	0.028	ppm
12:00 - 13:00	0.024	0.028	0.029	ppm
13:00 - 14:00	0.026	0.028	0.028	ppm
14:00 - 15:00	0.027	0.029	0.029	ppm
15:00 - 16:00	0.027	0.029	0.029	ppm
16:00 - 17:00	0.028	0.029	0.029	ppm
17:00 - 18:00	0.028	0.029	0.029	ppm
18:00 - 19:00	0.028	0.028	0.028	ppm
19:00 - 20:00	0.028	0.029	0.028	ppm
20:00 - 21:00	0.028	0.028	0.028	ppm
21:00 - 22:00	0.028	0.028	0.028	ppm
22:00 - 23:00	0.028	0.028	0.028	ppm
23:00 - 00:00	0.028	0.028	0.028	ppm
00:00 - 01:00	0.028	0.028	0.028	ppm
01:00 - 02:00	0.028	0.028	0.028	ppm
02:00 - 03:00	0.028	0.028	0.028	ppm
03:00 - 04:00	0.028	0.029	0.028	ppm
04:00 - 05:00	0.028	0.029	0.028	ppm
05:00 - 06:00	0.028	0.029	0.028	ppm
06:00 - 07:00	0.028	0.029	0.028	ppm
07:00 - 08:00	0.028	0.029	0.028	ppm
08:00 - 09:00	0.028	0.028	0.028	ppm
09:00 - 10:00	0.028	0.028	0.028	ppm
Maximum 1 hr.	0.035	0.029	0.029	ppm
Average 24 hr.	0.028	0.028	0.028	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of Department of Industrial Works
(Measurement By Mr. Tummarat Pongkham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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Request No. LA65-R07100

Report No. R6507-4575 - R6507-4577

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บ้านเนินไร่
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : Hobira Model APSA-370 S/N 3XLWFYVJ

SAMPLE NO. : 20450-20452
SAMPLING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
11:00 - 12:00 ²	<0.001	0.001	0.001	ppm
12:00 - 13:00	0.001	0.001	0.001	ppm
13:00 - 14:00	0.001	0.001	0.001	ppm
14:00 - 15:00	0.001	0.001	0.001	ppm
15:00 - 16:00	0.001	0.001	0.001	ppm
16:00 - 17:00	0.001	0.001	0.001	ppm
17:00 - 18:00	0.001	0.001	0.001	ppm
18:00 - 19:00	0.001	0.001	0.001	ppm
19:00 - 20:00	0.001	0.001	0.001	ppm
20:00 - 21:00	0.001	0.001	0.001	ppm
21:00 - 22:00	0.001	0.001	0.001	ppm
22:00 - 23:00	0.001	0.001	0.001	ppm
23:00 - 00:00	0.001	0.001	0.001	ppm
00:00 - 01:00	0.001	0.001	0.001	ppm
01:00 - 02:00	0.001	0.001	0.001	ppm
02:00 - 03:00	0.001	0.001	0.001	ppm
03:00 - 04:00	0.001	0.001	0.001	ppm
04:00 - 05:00	0.001	0.001	0.001	ppm
05:00 - 06:00	0.001	0.001	0.001	ppm
06:00 - 07:00	0.001	0.001	0.001	ppm
07:00 - 08:00	0.001	0.001	0.001	ppm
08:00 - 09:00	0.001	0.001	0.001	ppm
09:00 - 10:00	0.001	0.001	0.001	ppm
10:00 - 11:00	0.001	0.001	0.001	ppm
Maximum 1 hr.	0.001	0.001	0.001	ppm
Average 24 hr.	0.001	0.001	0.001	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Boonkiamphong)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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ACCREDITED LABORATORY
ISO/IEC 17025

Request No. LA65-R07100

Report No. R6507-4581 - R6507-4583

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บ้านแปลงยานาน
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model MI00E S/N 603

SAMPLE NO. : 20456-20458
SAMPLING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
12:00 - 13:00 ¹³	0.015	0.014	0.020	ppm
13:00 - 14:00	0.016	0.011	0.019	ppm
14:00 - 15:00	0.016	0.012	0.018	ppm
15:00 - 16:00	0.016	0.013	0.019	ppm
16:00 - 17:00	0.016	0.014	0.019	ppm
17:00 - 18:00	0.016	0.015	0.019	ppm
18:00 - 19:00	0.016	0.015	0.019	ppm
19:00 - 20:00	0.015	0.015	0.019	ppm
20:00 - 21:00	0.015	0.016	0.019	ppm
21:00 - 22:00	0.016	0.017	0.019	ppm
22:00 - 23:00	0.016	0.018	0.019	ppm
23:00 - 00:00	0.016	0.019	0.019	ppm
00:00 - 01:00	0.015	0.019	0.019	ppm
01:00 - 02:00	0.015	0.019	0.019	ppm
02:00 - 03:00	0.017	0.019	0.019	ppm
03:00 - 04:00	0.018	0.019	0.019	ppm
04:00 - 05:00	0.018	0.019	0.019	ppm
05:00 - 06:00	0.018	0.019	0.019	ppm
06:00 - 07:00	0.018	0.019	0.019	ppm
07:00 - 08:00	0.019	0.020	0.019	ppm
08:00 - 09:00	0.018	0.020	0.019	ppm
09:00 - 10:00	0.018	0.020	0.020	ppm
10:00 - 11:00	0.018	0.020	0.020	ppm
11:00 - 12:00	0.017	0.020	0.020	ppm
Maximum 1 hr.	0.019	0.020	0.020	ppm
Average 24 hr.	0.017	0.017	0.019	ppm
Standard (1 hr.) ¹¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ¹²	0.12	0.12	0.12	ppm

REMARK : ¹¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)¹² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)¹³ Start Time

* Parameter Outside The Scope of The Department of Industrial Works

(Measurement By Mr. Tummarut Pichasakul)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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Request No. LA65-R07100

Report No. R6507-4569 - R6507-4571

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บ้านแปลงไม้แดง
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 3137

SAMPLE NO. : 20444-20446
SAMPLING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
10:00 - 11:00 ³	0.015	0.017	0.017	ppm
11:00 - 12:00	0.015	0.017	0.017	ppm
12:00 - 13:00	0.016	0.016	0.017	ppm
13:00 - 14:00	0.017	0.016	0.017	ppm
14:00 - 15:00	0.017	0.015	0.017	ppm
15:00 - 16:00	0.017	0.014	0.017	ppm
16:00 - 17:00	0.017	0.015	0.017	ppm
17:00 - 18:00	0.016	0.017	0.017	ppm
18:00 - 19:00	0.017	0.017	0.017	ppm
19:00 - 20:00	0.017	0.017	0.017	ppm
20:00 - 21:00	0.015	0.014	0.017	ppm
21:00 - 22:00	0.008	0.007	0.017	ppm
22:00 - 23:00	0.004	0.007	0.017	ppm
23:00 - 00:00	0.005	0.007	0.017	ppm
00:00 - 01:00	0.007	0.007	0.017	ppm
01:00 - 02:00	0.014	0.007	0.017	ppm
02:00 - 03:00	0.017	0.016	0.017	ppm
03:00 - 04:00	0.017	0.017	0.017	ppm
04:00 - 05:00	0.017	0.017	0.017	ppm
05:00 - 06:00	0.017	0.017	0.017	ppm
06:00 - 07:00	0.017	0.017	0.017	ppm
07:00 - 08:00	0.017	0.017	0.017	ppm
08:00 - 09:00	0.017	0.017	0.017	ppm
09:00 - 10:00	0.017	0.017	0.017	ppm
Maximum 1 hr.	0.017	0.017	0.017	ppm
Average 24 hr.	0.015	0.014	0.017	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Regulation of The Department of Industrial Works
(Measurement By Mr. Tumpan Klinsopon)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By..

(MS. THANATPORN KLINSOPON)

27/07/2022

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Request No. LA65-R07100

Report No. R6507-4566 - R6507-4568

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co., Ltd.
 SAMPLE POINT : บ้านไผ่ล้อม
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 20441-20443
 SAMPLING DATE : 18-21/07/2022
 RECEIVED DATE : 21/07/2022
 REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
10:00 - 11:00 ²	0.005	0.003	0.006	ppm
11:00 - 12:00	0.005	0.004	0.006	ppm
12:00 - 13:00	0.002	0.005	0.007	ppm
13:00 - 14:00	0.002	0.007	0.007	ppm
14:00 - 15:00	0.003	0.004	0.004	ppm
15:00 - 16:00	0.002	0.003	0.005	ppm
16:00 - 17:00	0.002	0.003	0.004	ppm
17:00 - 18:00	0.003	0.005	0.004	ppm
18:00 - 19:00	0.004	0.008	0.006	ppm
19:00 - 20:00	0.005	0.012	0.007	ppm
20:00 - 21:00	0.011	0.009	0.008	ppm
21:00 - 22:00	0.014	0.008	0.004	ppm
22:00 - 23:00	0.020	0.008	0.003	ppm
23:00 - 00:00	0.013	0.010	0.003	ppm
00:00 - 01:00	0.006	0.010	0.001	ppm
01:00 - 02:00	0.004	0.010	0.002	ppm
02:00 - 03:00	0.006	0.008	0.002	ppm
03:00 - 04:00	0.006	0.007	0.002	ppm
04:00 - 05:00	0.005	0.006	0.004	ppm
05:00 - 06:00	0.005	0.005	0.004	ppm
06:00 - 07:00	0.008	0.006	0.006	ppm
07:00 - 08:00	0.006	0.006	0.007	ppm
08:00 - 09:00	0.007	0.009	0.005	ppm
09:00 - 10:00	0.004	0.006	0.002	ppm
Maximum 1 hr.	0.020	0.012	0.008	ppm
Average 24 hr.	0.006	0.007	0.004	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Regulation of The Department of Industrial Works
(Measurement By Mr. Tummaru Pongkarnsri)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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COPY

Request No. LA65-R07100

Report No. R6507-4578 - R6507-4580

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co., Ltd.
 SAMPLE POINT : บ้านเนินไร่
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 20453-20455
 SAMPLING DATE : 18-21/07/2022
 RECEIVED DATE : 21/07/2022
 REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
11:00 - 12:00 ²	0.005	0.008	0.006	ppm
12:00 - 13:00	0.006	0.007	0.007	ppm
13:00 - 14:00	0.010	0.005	0.006	ppm
14:00 - 15:00	0.006	0.005	0.005	ppm
15:00 - 16:00	0.006	0.004	0.005	ppm
16:00 - 17:00	0.005	0.005	0.005	ppm
17:00 - 18:00	0.006	0.006	0.005	ppm
18:00 - 19:00	0.008	0.008	0.007	ppm
19:00 - 20:00	0.008	0.007	0.006	ppm
20:00 - 21:00	0.008	0.007	0.005	ppm
21:00 - 22:00	0.008	0.005	0.004	ppm
22:00 - 23:00	0.008	0.005	0.003	ppm
23:00 - 00:00	0.007	0.006	0.003	ppm
00:00 - 01:00	0.004	0.006	0.005	ppm
01:00 - 02:00	0.004	0.006	0.003	ppm
02:00 - 03:00	0.004	0.005	0.003	ppm
03:00 - 04:00	0.004	0.005	0.003	ppm
04:00 - 05:00	0.004	0.005	0.003	ppm
05:00 - 06:00	0.004	0.005	0.004	ppm
06:00 - 07:00	0.004	0.004	0.005	ppm
07:00 - 08:00	0.006	0.006	0.005	ppm
08:00 - 09:00	0.007	0.007	0.007	ppm
09:00 - 10:00	0.006	0.007	0.004	ppm
10:00 - 11:00	0.004	0.006	0.003	ppm
Maximum 1 hr.	0.010	0.008	0.007	ppm
Average 24 hr.	0.006	0.006	0.005	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummanut Thongkham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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Request No. LA65-R07100

Report No. R6507-4584 - R6507-4586

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
 ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
 SAMPLE SOURCE : MDX Public Co., Ltd.
 SAMPLE POINT : บ้านแปลงยาวบน
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : API Model M200E S/N 4084

SAMPLE NO. : 20459-20461
 SAMPLING DATE : 18-21/07/2022
 RECEIVED DATE : 21/07/2022
 REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
12:00 - 13:00 ²	0.006	0.005	0.005	ppm
13:00 - 14:00	0.005	0.004	0.004	ppm
14:00 - 15:00	0.005	0.004	0.003	ppm
15:00 - 16:00	0.006	0.003	0.003	ppm
16:00 - 17:00	0.006	0.004	0.003	ppm
17:00 - 18:00	0.006	0.004	0.003	ppm
18:00 - 19:00	0.006	0.004	0.002	ppm
19:00 - 20:00	0.007	0.004	0.002	ppm
20:00 - 21:00	0.008	0.003	0.001	ppm
21:00 - 22:00	0.008	0.003	<0.001	ppm
22:00 - 23:00	0.007	0.003	<0.001	ppm
23:00 - 00:00	0.006	0.003	<0.001	ppm
00:00 - 01:00	0.006	0.003	<0.001	ppm
01:00 - 02:00	0.007	0.002	<0.001	ppm
02:00 - 03:00	0.006	0.001	<0.001	ppm
03:00 - 04:00	0.004	0.001	<0.001	ppm
04:00 - 05:00	0.004	0.001	<0.001	ppm
05:00 - 06:00	0.004	<0.001	<0.001	ppm
06:00 - 07:00	0.004	<0.001	<0.001	ppm
07:00 - 08:00	0.005	0.001	<0.001	ppm
08:00 - 09:00	0.005	0.002	<0.001	ppm
09:00 - 10:00	0.005	0.002	<0.001	ppm
10:00 - 11:00	0.005	0.003	0.001	ppm
11:00 - 12:00	0.005	0.004	0.001	ppm
Maximum 1 hr.	0.008	0.005	0.005	ppm
Average 24 hr.	0.006	0.003	0.001	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Plangsomboon)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

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Request No. LA65-R07100

Report No. R6507-4572 - R6507-4574

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บ้านแปลงไม้แดง
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 6757

SAMPLE NO. : 20447-20449
SAMPLING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME / DATE	18-19/07/2022	19-20/07/2022	20-21/07/2022	UNIT
10:00 - 11:00 ²	0.004	0.009	0.002	ppm
11:00 - 12:00	0.006	0.007	0.003	ppm
12:00 - 13:00	0.007	0.007	0.006	ppm
13:00 - 14:00	0.004	0.005	0.011	ppm
14:00 - 15:00	0.004	0.004	0.012	ppm
15:00 - 16:00	0.003	0.004	0.008	ppm
16:00 - 17:00	0.003	0.004	0.006	ppm
17:00 - 18:00	0.003	0.004	0.006	ppm
18:00 - 19:00	0.004	0.005	0.006	ppm
19:00 - 20:00	0.004	0.004	0.005	ppm
20:00 - 21:00	0.005	0.003	0.005	ppm
21:00 - 22:00	0.006	0.003	0.002	ppm
22:00 - 23:00	0.007	0.004	0.001	ppm
23:00 - 00:00	0.006	0.003	0.002	ppm
00:00 - 01:00	0.002	0.002	0.003	ppm
01:00 - 02:00	0.002	0.001	0.002	ppm
02:00 - 03:00	0.002	0.001	0.002	ppm
03:00 - 04:00	0.002	0.002	0.001	ppm
04:00 - 05:00	0.002	0.001	0.002	ppm
05:00 - 06:00	0.002	0.001	0.002	ppm
06:00 - 07:00	0.001	0.001	0.002	ppm
07:00 - 08:00	0.001	0.001	0.002	ppm
08:00 - 09:00	0.001	<0.001	0.002	ppm
09:00 - 10:00	0.007	<0.001	0.001	ppm
Maximum 1 hr.	0.007	0.009	0.012	ppm
Average 24 hr.	0.004	0.003	0.004	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummanit Kongsopon)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By.....

(MS. THANATPORN KLINSOPON)

27/07/2022

COPY

Wind Speed & Wind Direction

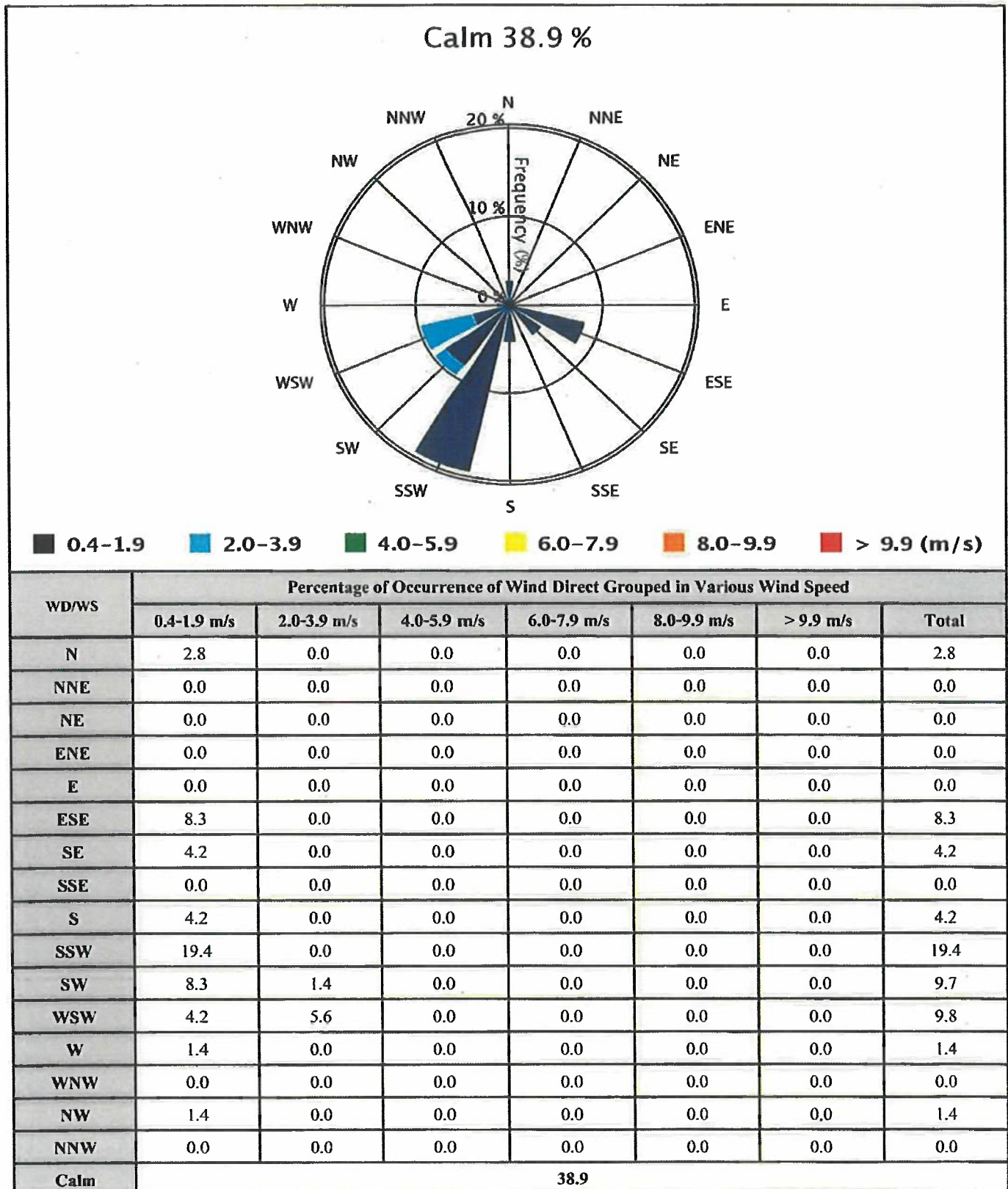
Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20435

Sampling Source : บ้านไผ่ล้อม

Sampling Date : July 18-21, 2022



Wind Speed & Wind Direction

Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20435

Sampling Source : บ้านไผ่ล้อม

Sampling Date : July 18-21, 2022

Time	July 18-19, 2022		July 19-20, 2022		July 20-21, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.4	SW	2.2	WSW	1.3	W
11:00-12:00	1.3	SW	2.2	SW	1.3	SW
12:00-13:00	1.8	SSW	2.2	WSW	1.8	SW
13:00-14:00	1.8	SSW	2.2	WSW	2.2	WSW
14:00-15:00	1.3	SSW	1.8	SSW	1.8	WSW
15:00-16:00	1.8	SSW	1.8	SSW	1.3	SSW
16:00-17:00	0.9	SSW	1.3	SSW	1.3	SSW
17:00-18:00	0.9	SSW	0.9	SSW	0.9	SSW
18:00-19:00	0.4	S	0.4	S	0.9	SSW
19:00-20:00	0.0	-	0.4	SE	1.3	ESE
20:00-21:00	0.0	-	0.4	SE	0.9	ESE
21:00-22:00	0.0	-	0.4	ESE	0.9	ESE
22:00-23:00	0.0	-	0.0	-	0.9	N
23:00-00:00	0.4	ESE	0.0	-	0.9	N
00:00-01:00	0.4	ESE	0.0	-	0.4	NW
01:00-02:00	0.4	SE	0.0	-	0.9	S
02:00-03:00	0.0	-	0.0	-	0.9	SW
03:00-04:00	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	0.4	WSW	0.0	-	0.0	-
09:00-10:00	1.8	SW	0.9	WSW	0.0	-

Wind Speed & Wind Direction

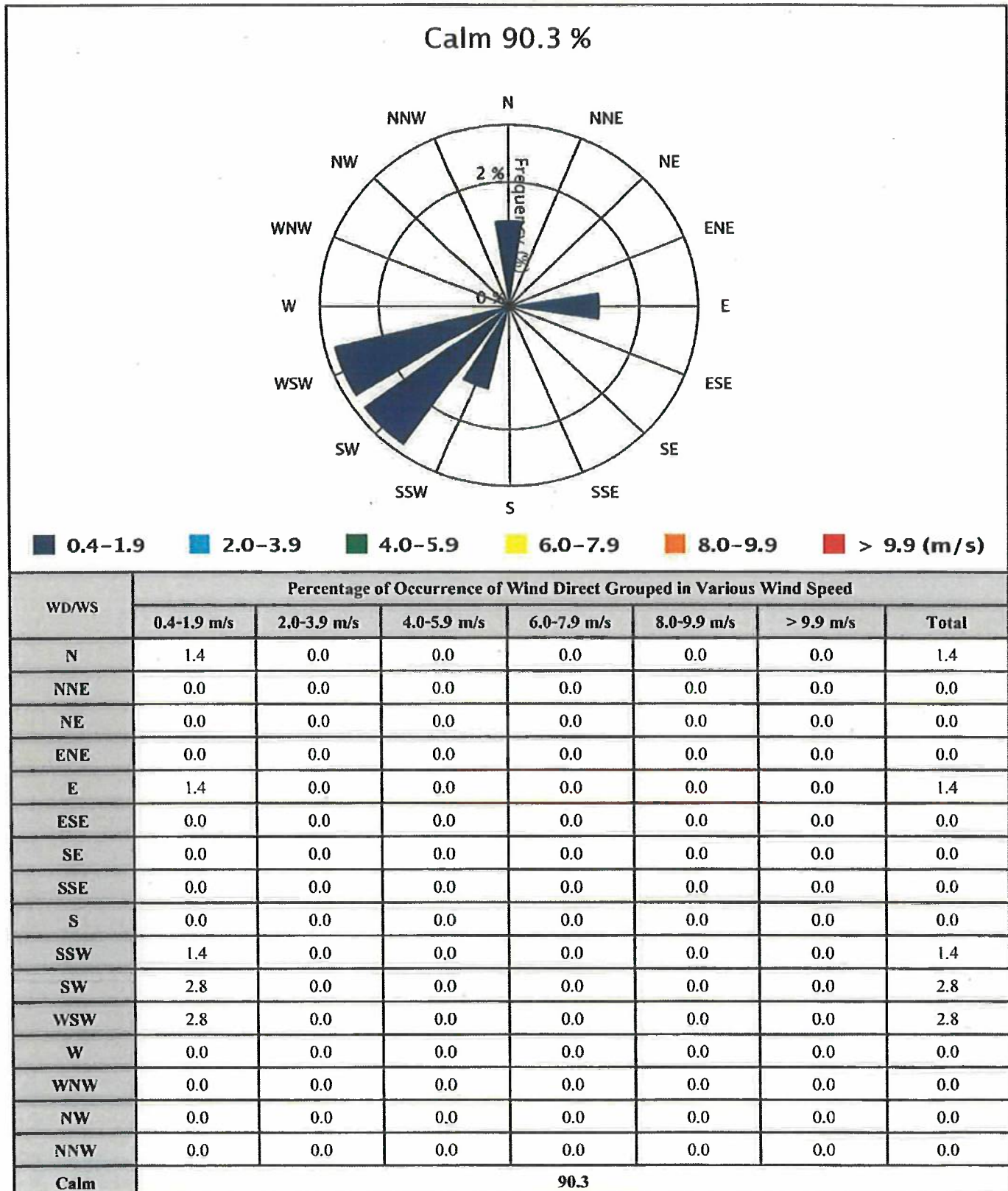
Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20437

Sampling Source : บ้านเนินไร่

Sampling Date : July 18-21, 2022



Wind Speed & Wind Direction

Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20437

Sampling Source : บ้านเนินไร่

Sampling Date : July 18-21, 2022

Time	July 18-19, 2022		July 19-20, 2022		July 20-21, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.0	-	0.0	-	0.0	-
12:00-13:00	0.0	-	0.0	-	0.0	-
13:00-14:00	0.0	-	0.0	-	0.5	SSW
14:00-15:00	0.0	-	0.8	N	0.0	-
15:00-16:00	0.9	WSW	0.0	-	0.5	SW
16:00-17:00	0.0	-	0.0	-	0.0	-
17:00-18:00	0.0	-	0.0	-	0.0	-
18:00-19:00	0.0	-	0.0	-	0.0	-
19:00-20:00	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.0	-	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	1.6	SW	0.0	-	0.0	-
09:00-10:00	1.1	WSW	0.0	-	0.0	-
10:00-11:00	0.0	-	0.4	E	0.0	-

Wind Speed & Wind Direction

Request No. LA65-R0799

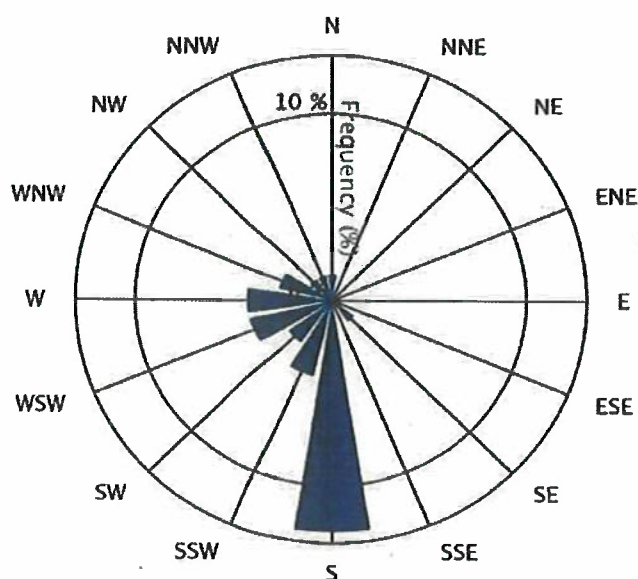
MDX Public Co., Ltd.

Sample No. 20436

Sampling Source : บ้านแปลงยาวบน

Sampling Date : July 18-21, 2022

Calm 63.9 %



0.4-1.9 2.0-3.9 4.0-5.9 6.0-7.9 8.0-9.9 > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	1.4	0.0	0.0	0.0	0.0	0.0	1.4
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.4	0.0	0.0	0.0	0.0	0.0	1.4
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	12.5	0.0	0.0	0.0	0.0	0.0	12.5
SSW	4.2	0.0	0.0	0.0	0.0	0.0	4.2
SW	2.8	0.0	0.0	0.0	0.0	0.0	2.8
WSW	4.2	0.0	0.0	0.0	0.0	0.0	4.2
W	4.2	0.0	0.0	0.0	0.0	0.0	4.2
WNW	2.8	0.0	0.0	0.0	0.0	0.0	2.8
NW	1.4	0.0	0.0	0.0	0.0	0.0	1.4
NNW	1.4	0.0	0.0	0.0	0.0	0.0	1.4
Calm	63.9						

Wind Speed & Wind Direction

Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20436

Sampling Source : บ้านแปลงยาวบน

Sampling Date : July 18-21, 2022

Time	July 18-19, 2022		July 19-20, 2022		July 20-21, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
12:00-13:00	0.0	-	0.4	SW	0.0	-
13:00-14:00	0.4	WSW	0.4	WNW	0.4	W
14:00-15:00	0.4	SW	0.4	SSW	0.4	WNW
15:00-16:00	0.4	W	0.4	SSW	0.0	-
16:00-17:00	0.4	W	0.0	-	0.0	-
17:00-18:00	0.0	-	0.0	-	0.0	-
18:00-19:00	0.0	-	0.0	-	0.4	S
19:00-20:00	0.0	-	0.4	S	0.9	S
20:00-21:00	0.0	-	0.4	S	0.9	S
21:00-22:00	0.0	-	0.0	-	0.9	S
22:00-23:00	0.0	-	0.0	-	0.4	SE
23:00-00:00	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.0	-	0.0	-
01:00-02:00	0.4	S	0.0	-	0.4	SSW
02:00-03:00	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-
09:00-10:00	0.0	-	0.4	NNW	0.0	-
10:00-11:00	0.4	WSW	0.4	N	0.4	S
11:00-12:00	0.4	WSW	0.4	NW	0.4	S

Wind Speed & Wind Direction

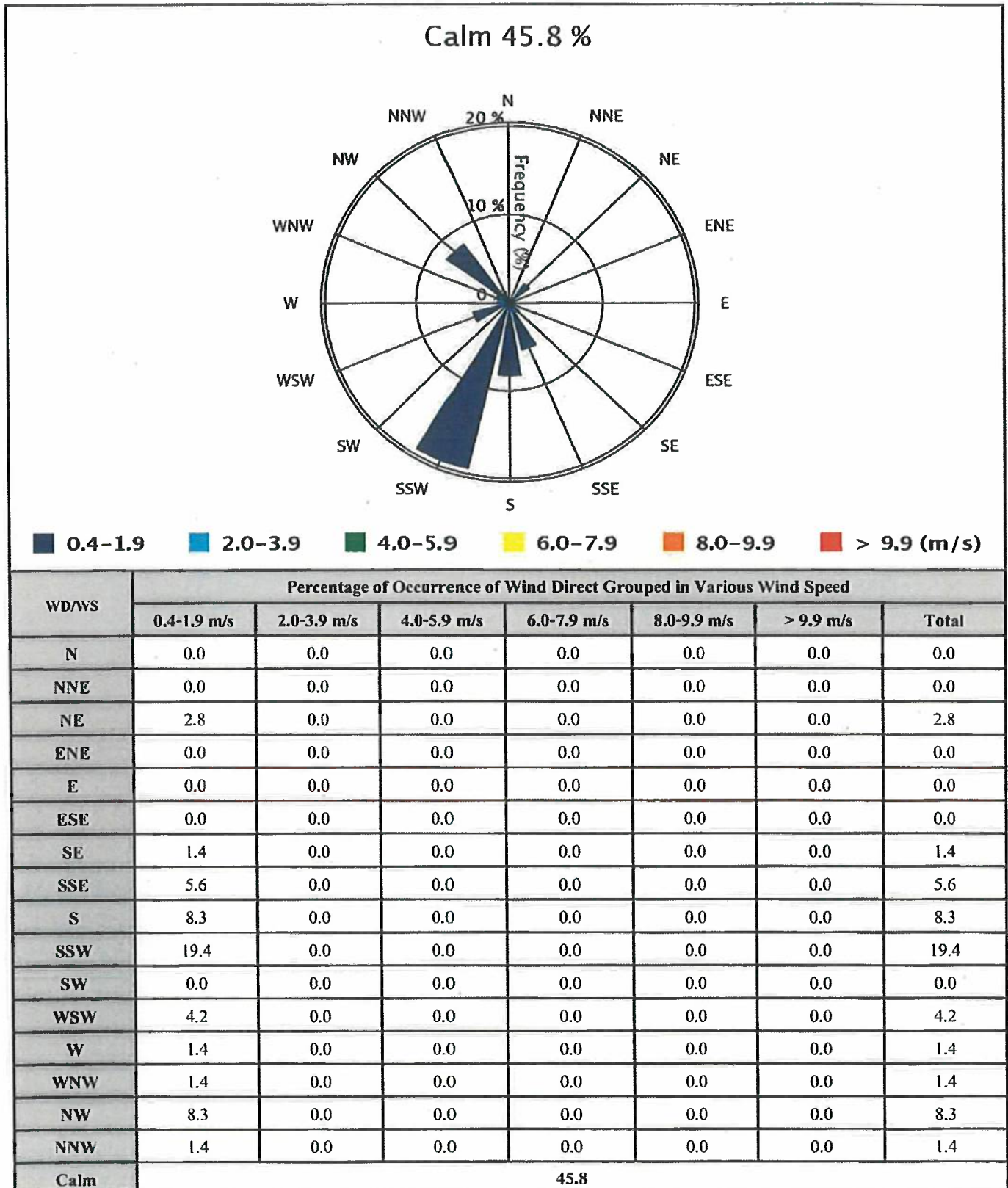
Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20434

Sampling Source : บ้านแปลงไม้แดง

Sampling Date : July 18-21, 2022



Wind Speed & Wind Direction

Request No. LA65-R0799

MDX Public Co., Ltd.

Sample No. 20434

Sampling Source : บ้านแปลงไม้แดง

Sampling Date : July 18-21, 2022

Time	July 18-19, 2022		July 19-20, 2022		July 20-21, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.0	-	0.0	-	0.0	-
11:00-12:00	0.0	-	0.0	-	0.4	SSE
12:00-13:00	0.9	SSE	0.4	S	0.0	-
13:00-14:00	0.9	SSE	0.9	S	0.0	-
14:00-15:00	1.8	SSE	1.3	SSW	0.4	WSW
15:00-16:00	0.9	SSW	1.8	SSW	0.4	WSW
16:00-17:00	0.9	SSW	1.3	SSW	0.4	NW
17:00-18:00	1.3	SSW	1.3	SSW	0.4	NW
18:00-19:00	1.3	SSW	0.9	SSW	0.4	WNW
19:00-20:00	0.9	S	0.9	SSW	0.4	NNW
20:00-21:00	0.4	NW	1.8	S	0.4	NW
21:00-22:00	0.4	NW	1.3	S	0.4	NW
22:00-23:00	0.0	-	0.4	NE	0.0	-
23:00-00:00	0.0	-	0.0	-	0.4	SE
00:00-01:00	0.0	-	0.0	-	0.4	SSW
01:00-02:00	0.0	-	0.4	NE	0.0	-
02:00-03:00	0.4	S	0.0	-	0.4	SSW
03:00-04:00	0.4	SSW	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.4	WSW
05:00-06:00	0.0	-	0.0	-	0.4	W
06:00-07:00	0.0	-	0.0	-	0.4	SSW
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-
09:00-10:00	0.0	-	0.0	-	0.0	-

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บริเวณภายในพื้นที่โครงการ (สถานีตำรวจเหิน)
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr. & L_{max} SAMPLE NO. : 20462-20464
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 18-21/07/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/07/2022
S/N 01147298 : Type 2 REPORTED DATE : 27/07/2022

TIME \ DATE	18-19/07/2022 (L_{eq})	19-20/07/2022 (L_{eq})	20-21/07/2022 (L_{eq})	UNIT
11:00 - 12:00 ¹³	51.9	59.2	58.8	dB(A)
12:00 - 13:00	49.3	58.3	56.7	dB(A)
13:00 - 14:00	50.3	57.0	56.7	dB(A)
14:00 - 15:00	49.6	58.2	57.2	dB(A)
15:00 - 16:00	55.5	59.2	59.2	dB(A)
16:00 - 17:00	57.2	60.7	59.1	dB(A)
17:00 - 18:00	54.4	59.3	59.3	dB(A)
18:00 - 19:00	56.6	58.6	59.3	dB(A)
19:00 - 20:00	57.7	59.0	57.6	dB(A)
20:00 - 21:00	60.1	57.9	58.3	dB(A)
21:00 - 22:00	58.7	58.4	58.4	dB(A)
22:00 - 23:00	58.4	58.2	58.2	dB(A)
23:00 - 00:00	58.4	58.3	58.7	dB(A)
00:00 - 01:00	57.6	58.0	65.1	dB(A)
01:00 - 02:00	56.2	57.1	61.9	dB(A)
02:00 - 03:00	56.7	55.7	60.7	dB(A)
03:00 - 04:00	58.2	55.8	61.5	dB(A)
04:00 - 05:00	58.3	57.9	62.2	dB(A)
05:00 - 06:00	58.2	58.8	60.4	dB(A)
06:00 - 07:00	57.3	57.9	58.8	dB(A)
07:00 - 08:00	59.1	59.6	60.5	dB(A)
08:00 - 09:00	59.5	58.8	60.2	dB(A)
09:00 - 10:00	59.2	59.0	60.1	dB(A)
10:00 - 11:00	59.3	58.8	60.0	dB(A)
L_{eq} 24 hr.	57.4	58.5	60.0	dB(A)
L_{max}	64.1	64.2	67.5	dB(A)
Standard	$70^{11}, 70^{12}$	$70^{11}, 70^{12}$	$70^{11}, 70^{12}$	dB(A)

REMARK : ¹³ Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

¹¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

¹² Notification of Ministry of the Industry B.E. 2548 (2005)

* Parameter Outside The Scope of The Regulation of The Department of Industrial Works
(Ms. Thanatporn Klinsonon is Section Chief, Ms. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Tummarut Phonsri)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 
(MRS. WANPEN LHAOCHINDAWAT)

27/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

TEST REPORT

CUSTOMER : MDX Public Co., Ltd.
ADDRESS : Gateway City Industrial Estate T. Huasomrong, Plangyao District, Chachoengsao 24190
SAMPLE SOURCE : MDX Public Co., Ltd.
SAMPLE POINT : บริเวณถนนพหลโยธิน
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr. & L_{dnf}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 01147300 : Type 2

SAMPLE NO. : 20465-20467
MEASURING DATE : 18-21/07/2022
RECEIVED DATE : 21/07/2022
REPORTED DATE : 27/07/2022

TIME \ DATE	18-19/07/2022 (L_{eq})	19-20/07/2022 (L_{eq})	20-21/07/2022 (L_{eq})	UNIT
11:00 - 12:00 ¹³	60.6	52.3	48.0	dB(A)
12:00 - 13:00	45.8	42.9	44.9	dB(A)
13:00 - 14:00	46.9	46.8	45.2	dB(A)
14:00 - 15:00	44.4	47.3	45.9	dB(A)
15:00 - 16:00	46.3	48.9	47.8	dB(A)
16:00 - 17:00	48.3	50.0	48.0	dB(A)
17:00 - 18:00	51.0	49.5	48.0	dB(A)
18:00 - 19:00	50.6	53.6	50.2	dB(A)
19:00 - 20:00	56.0	53.9	53.9	dB(A)
20:00 - 21:00	54.8	52.2	49.4	dB(A)
21:00 - 22:00	53.5	52.9	50.8	dB(A)
22:00 - 23:00	53.4	53.2	51.4	dB(A)
23:00 - 00:00	53.9	53.0	53.5	dB(A)
00:00 - 01:00	52.2	52.5	66.3	dB(A)
01:00 - 02:00	53.1	50.5	65.0	dB(A)
02:00 - 03:00	51.3	49.2	63.6	dB(A)
03:00 - 04:00	50.5	48.1	63.4	dB(A)
04:00 - 05:00	49.3	48.2	63.4	dB(A)
05:00 - 06:00	51.5	53.0	61.3	dB(A)
06:00 - 07:00	52.9	49.4	57.2	dB(A)
07:00 - 08:00	48.0	47.1	53.3	dB(A)
08:00 - 09:00	47.4	51.6	49.6	dB(A)
09:00 - 10:00	45.9	53.8	47.8	dB(A)
10:00 - 11:00	49.2	52.8	47.4	dB(A)
L_{eq} 24 hr.	52.5	51.3	58.7	dB(A)
L_{dnf}	58.7	57.7	68.4	dB(A)
Standard	$70^{11}, 70^{12}$	$70^{11}, 70^{12}$	$70^{11}, 70^{12}$	dB(A)

REMARK : ¹³ Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

¹¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

¹² Notification of Ministry of the Industry B.E. 2518 (2005)

* Parameter Outside The Scope of The Regulation of The Department of Industrial Works
(Ms. Thanaporn Klinsoon is Section Head, Ms. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Tummarut Pichakarn)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

¹³ Start Time

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

27/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample Name : Influent**

Sampling By : ETC**

Sampling Method : Composit**

Tested Date : 04/07/2022 - 13/07/2022

Sample No : W 65070182

Sampling Date : 01/07/2022**

Sampling Time : 9:05 AM - 3:05 PM**

Received Date : 02/07/2022

Reported Date : 16/07/2022

Request No : W6507031

Report No : 6507-1136

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	49.1	≤500
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	134	≤750
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.15	≤2

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr.Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

16/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

16/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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COPY

Test Report

Request No : W6507031

Report No : 6507-1136

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP

Sample No : W 65070182

Sample Name : Influent

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 9:05 AM - 3:05 PM

Sampling Method : Composit

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	3.1	≤ 10
pH (on site) *		Electrometric Method	7.0	5.5 - 9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Temperature *	°C	Laboratory and Field Method	34	≤ 45
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	24	≤ 200

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISL, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

16/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

16/07/2022

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WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6507031

Report No : 6507-1136

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65070182

Sample Name : Influent

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 9:05 AM - 3:05 PM

Sampling Method : Composit

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	17	-
Flow Rate	m ³ /day	Calculation Method	6,544	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (๖-003-๓-๗๒๘๐)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

16/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6507031

Report No : 6507-1140

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65070186

Sample Name : Influent

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 3:05 PM

Sampling Method : Grab

Received Date : 02/07/2022

Tested Date : 06/07/2022

Reported Date : 20/07/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [G 0.25 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Parameter Outside The Scope of The Registration of Department of Industrial Works
4. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

20/07/2022

Test Report

Request No : W6508160

Report No : 6508-1589

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65080696

Sample Name : Influent**

Sampling Date : 05/08/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Biochemical Oxygen Demand ‡	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	58.0	≤ 500
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand ‡	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	149	≤ 750
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 2

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Nunnaphat Bakhuntod is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-0-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Nunnaphat Bakhuntod)

(1-003-0-4367)

23/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-0-2205)

23/08/2022

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Test Report

Request No : W6508160

Report No : 6508-1589

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65080696

Sample Name : Influent**

Sampling Date : 05/08/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury [#]	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) [*]		Electrometric Method	7.1	5.5 - 9.0
Phenol [*]	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.039	≤ 1
Temperature [*]	°C	Laboratory and Field Method	32	≤ 45
Total Suspended Solids [#]	mg/l	Dried at 103-105 C (SM:2540D)	12	≤ 200

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Nunnaphat Bakhuntod is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-0-5637)*

5. ** = These data are non laboratory data/

Examined By :

(Miss Nunnaphat Bakhuntod)

(1-003-0-4367)

23/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-0-2205)

23/08/2022

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Test Report

Request No : W6508160

Report No : 6508-1589

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65080696

Sample Name : Influent

Sampling Date : 05/08/2022

Sampling By : ETC

Sampling Time : 9:10 AM - 3:10 PM

Sampling Method : Composit

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	6	-
Flow Rate	m ³ /day	Calculation Method	7,098	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang (7-003-9-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

23/08/2022

Test Report

Request No : W6508160

Report No : 6508-1593

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65080700

Sample Name : Influent

Sampling Date : 05/08/2022

Sampling By : ETC

Sampling Time : 3:10 PM

Sampling Method : Grab

Received Date : 06/08/2022

Tested Date : 19/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang (1-003-0-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : ......

(Miss Nunnaphat Bakhuntod)

23/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6509071

Report No : 6509-1371

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65090391

Sample Name : Influent**

Sampling Date : 02/09/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	50.5	≤500
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	125	≤750
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.11	≤2

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ก-7279)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

20/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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COPY

Test Report

Request No : W6509071

Report No : 6509-1371

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65090391

Sample Name : Influent**

Sampling Date : 02/09/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury [*]	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	3.9	≤ 10
pH (on site) [*]		Electrometric Method	7.2	5.5 - 9.0
Phenol [*]	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.090	≤ 1
Temperature [*]	°C	Laboratory and Field Method	29	≤ 45
Total Suspended Solids [#]	mg/l	Dried at 103-105 °C (SM:2540D)	22	≤ 200

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

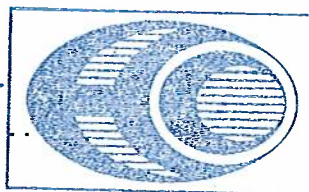
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-ก-7279)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(1-003-ก-4377)
20/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(1-003-ก-2205)
20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6509071

Report No : 6509-1371

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65090391

Sample Name : Influent

Sampling Date : 02/09/2022

Sampling By : ETC

Sampling Time : 9:10 AM - 3:10 PM

Sampling Method : Composit

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	8	-
Flow Rate	m ³ /day	Calculation Method	7,229	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Songpon Phiwuan (J-003-ก-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6509071

Report No : 6509-1375

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65090395

Sample Name : Influent

Sampling Date : 02/09/2022

Sampling By : ETC

Sampling Time : 3:10 PM

Sampling Method : Grab

Received Date : 03/09/2022

Tested Date : 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [G 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Songpon Phiwuan (ว-003-ก-7279)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample Name : Influent**

Sampling By : ETC**

Sampling Method : Composit**

Tested Date : 06/10/2022 - 18/10/2022

Sample No : W 65100580

Sampling Date : 05/10/2022**

Sampling Time : 9:05 AM - 3:05 PM**

Received Date : 06/10/2022

Reported Date : 22/10/2022

Request No : W6510146

Report No : 6510-1367

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.5	≤500
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	61	≤750
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.16	≤2

Physical Appearance : 1. Sample : brown, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISL, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-ท-8334)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ท-4377)
22/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ท-2205)
22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6510146

Report No : 6510-1367

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65100580

Sample Name : Influent**

Sampling Date : 05/10/2022**

Sampling By : ETC**

Sampling Time : 9:05 AM - 3:05 PM**

Sampling Method : Composit**

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	6.9	5.5 - 9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.005	≤ 1
Temperature *	°C	Laboratory and Field Method	31	≤ 45
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	14	≤ 200

Physical Appearance : 1. Sample : brown, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (1-003-ก-8334)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ก-4377)

22/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-ก-2205)

22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6510146

Report No : 6510-1367

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65100580

Sample Name : Influent

Sampling Date : 05/10/2022

Sampling By : ETC

Sampling Time : 9:05 AM - 3:05 PM

Sampling Method : Composit

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard/ ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	9	-
Flow Rate	m ³ /day	Calculation Method	7,193	-

Physical Apperance : 1. Sample : brown, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

- SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
- Parameter Outside The Scope of The Registration of Department of Industrial Works
- Sampling By Miss Pornpinan Viriyakusolkul (3-003-3-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6510146

Report No : 6510-1371

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65100584

Sample Name : Influent

Sampling Date : 05/10/2022

Sampling By : ETC

Sampling Time : 3:05 PM

Sampling Method : Grab

Received Date : 06/10/2022

Tested Date : 11/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [G 0.25 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Miss Pornpinan Viriyakusolkul (7-003-จ-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6511125

Report No : 6511-1312

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65110526

Sample Name : Influent**

Sampling Date : 03/11/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0021	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.4	≤500
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	45	≤750
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	0.18	≤2

Physical Appearance : 1. Sample : slightly - gray, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
17/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
17/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

GOPY

Test Report

Request No : W6511125

Report No : 6511-1312

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65110526

Sample Name : Influent**

Sampling Date : 03/11/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

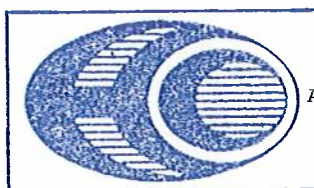
Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.037	≤ 1
Temperature *	°C	Laboratory and Field Method	22	≤ 45
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	25	≤ 200

Physical Appearance : 1. Sample : slightly - gray, lightly SS
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
17/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
17/11/2022

COPY

Test Report

Request No : W6511125

Report No : 6511-1312

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65110526

Sample Name : Influent

Sampling Date : 03/11/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	14	-
Flow Rate	m ³ /day	Calculation Method	7,065	-

Physical Apperance : 1. Sample : slightly - gray, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (๖-003-๓-๖๒๘๐)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

17/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6511125

Report No : 6511-1316

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP

Sample No : W 65110530

Sample Name : Influent

Sampling Date : 03/11/2022

Sampling By : ETC

Sampling Time : 3:05 PM

Sampling Method : Grab

Received Date : 04/11/2022

Tested Date : 08/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Apperance : 1. Sample : yellowish

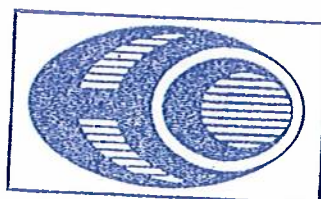
2. Container : Normal [G 0.25 L]

Remark : 1./I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (๖-003-ค-๖๒๘๐)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

17/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Test Report

Request No : W6512077

Report No : 6512-0915

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65120409

Sample Name : Influent**

Sampling Date : 02/12/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Digestion,Inductively Coupled Plasma Method	< 0.10	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	26.9	≤500
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux,Titrimetric Method (SM:5220C)	93	≤750
Copper @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤2
Lead @	mg/l	Digestion,Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Apperance : 1. Sample : white, lightly SS

2. Container : Normal [PE 0.5 L(4 Bottle) ,PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr.Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-จ-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

14/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด.

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

14/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6512077

Report No : 6512-0915

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65120409

Sample Name : Influent**

Sampling Date : 02/12/2022**

Sampling By : ETC**

Sampling Time : 9:10 AM - 3:10 PM**

Sampling Method : Composit**

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.012	≤ 1
Temperature *	°C	Laboratory and Field Method	30	≤ 45
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	7	≤ 200

Physical Apperance : 1. Sample : white, lightly SS

2. Container : Normal [PE 0.5 L(4 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr.Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-1-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(1-003-1-4377)
14/12/2022



บริษัท อีสเทิร์นไทยคंसัลติง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By :

(Mr. Kawee Suthasub)
(1-003-1-2205)
14/12/2022

COPY

**Test Report**

Request No : W6512077

Report No : 6512-0915

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65120409

Sample Name : Influent

Sampling Date : 02/12/2022

Sampling By : ETC

Sampling Time : 9:10 AM - 3:10 PM

Sampling Method : Composit

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	9	-
Flow Rate	m ³ /day	Calculation Method	7,059	-

Physical Apperance : 1. Sample : white, lightly SS

2. Container : Normal [PE 0.5 L(4 Bottle) ,PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Parameter Outside The Scope of The Registration of Department of Industrial Works
4. Sampling By Mr. Supharek Phatklang (๓-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

14/12/2022

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Test Report

Request No : W6512077

Report No : 6512-0919

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65120413

Sample Name : Influent

Sampling Date : 02/12/2022

Sampling By : ETC

Sampling Time : 3:10 PM

Sampling Method : Grab

Received Date : 03/12/2022

Tested Date : 08/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard/ ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	>160,000	-

Physical Apperance : 1. Sample : yellow, turbid

2. Container : Normal [PE 0.25 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Parameter Outside The Scope of The Registration of Department of Industrial Works
4. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

14/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507031

Report No : 6507-1137

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65070183

Sample Name : Effluent**

Sampling Date : 01/07/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.5	≤20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

16/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

16/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507031

Report No : 6507-1137

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65070183

Sample Name : Effluent**

Sampling Date : 01/07/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Lead @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	<0.10	≤0.2
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	<0.0010	≤0.005
Nickel @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	<0.10	≤1
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	<3.0	≤5
pH (on site) *		Electrometric Method	7.1	5.5-9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	<0.005	≤1
Temperature *	°C	Laboratory and Field Method	34	≤40

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

16/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

16/07/2022

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Test Report

Request No : W6507031

Report No : 6507-1137

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65070183

Sample Name : Effluent**

Sampling Date : 01/07/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	8	≤50
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤5

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

16/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

16/07/2022

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Test Report

Request No : W6507031

Report No : 6507- 1137

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65070183

Sample Name : Effluent

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 16/07/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	<2.00	-
Flow Rate	m ³ /day	Calculation Method	6,544	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

16/07/2022

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Test Report

Request No : W6507031

Report No : 6507-1141

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65070187

Sample Name : Effluent

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 02/07/2022

Tested Date : 06/07/2022

Reported Date : 20/07/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	790	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

20/07/2022

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Test Report

Request No : W6508160

Report No : 6508-1590

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65080697

Sample Name : Effluent**

Sampling Date : 05/08/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand [#]	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.1	≤20
Cadmium [@]	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand [#]	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Copper [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Nunnaphat Bakhuntod is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-8-5637)*

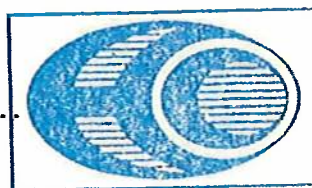
5. ** = These data are non laboratory data.

Examined By :

(Miss Nunnaphat Bakhuntod)

(1-003-8-4367)

23/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-8-2205)

23/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508160

Report No : 6508-1590

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65080697

Sample Name : Effluent**

Sampling Date : 05/08/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [®]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury [#]	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel [®]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 1
Oil and Grease [®]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) [*]		Electrometric Method	7.2	5.5-9.0
Phenol [*]	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.021	≤ 1
Temperature [*]	°C	Laboratory and Field Method	32	≤ 40

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental, B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Nunnaphat Bakhuntod is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (๓-003-๓-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Nunnaphat Bakhuntod)

(๓-003-๓-4367)

23/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๓-003-๓-2205)

23/08/2022

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Test Report

Request No : W6508160

Report No : 6508-1590

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65080697

Sample Name : Effluent**

Sampling Date : 05/08/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	< 5	≤50
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤5

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

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4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-1-5637)*

5. ** = These data are non laboratory data.

Examined By : 

(Miss Nunnaphat Bakhuntod)

(1-003-1-4367)

23/08/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By : 

(Mr. Kawee Suthasub)

(1-003-1-2205)

23/08/2022

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Test Report

Request No : W6508160

Report No : 6508-1590

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65080697

Sample Name : Effluent

Sampling Date : 05/08/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 06/08/2022

Tested Date : 08/08/2022 - 15/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	<2.00	-
Flow Rate	m ³ /day	Calculation Method	7,098	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang (1-003-0-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

23/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6508160

Report No : 6508-1594

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65080701

Sample Name : Effluent

Sampling Date : 05/08/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 06/08/2022

Tested Date : 19/08/2022

Reported Date : 23/08/2022

Parameter	Unit	Method	Result	Standard/ ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	13,000	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang (๓-๐๐3-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

23/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6509071

Report No : 6509-1372

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65090392

Sample Name : Effluent**

Sampling Date : 02/09/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤ 0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	51	≤ 120
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Appearance : 1. Sample : slightly - white, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (๖-๐๐3-๖-๗๒๗๙)*
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(๖-๐๐3-๖-๔๓๗๗)
20/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(๖-๐๐3-๖-๒๒๐๕)
20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6509071

Report No : 6509-1372

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65090392

Sample Name : Effluent**

Sampling Date : 02/09/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤0.2
Mercury [*]	mg/l	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel [@]	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤1
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) [*]		Electrometric Method	7.4	5.5-9.0
Phenol [*]	mg/l	Distillation,Direct Photometric Method (SM:5530B,D)	0.038	≤1
Temperature [*]	°C	Laboratory and Field Method	30	≤40

Physical Apperance : 1. Sample : slightly - white, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (๓-๐๐3-๓-๗279)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(๓-๐๐3-๓-4377)

20/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๓-๐๐3-๓-2205)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509071

Report No : 6509-1372

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65090392

Sample Name : Effluent**

Sampling Date : 02/09/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Total Suspended Solids [#]	mg/l	Dried at 103-105 C (SM:2540D)	8	≤50
Zinc [@]	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5

Physical Appearance : 1. Sample : slightly - white, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-ก-7279)*

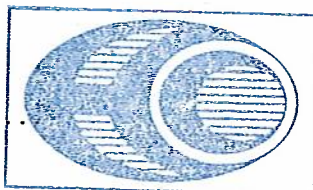
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ก-4377)

20/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-ก-2205)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509071

Report No : 6509-1372

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65090392

Sample Name : Effluent

Sampling Date : 02/09/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 17/09/2022

Reported Date : 20/09/2022

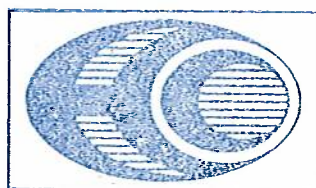
Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	< 2.00	-
Flow Rate	m ³ /day	Calculation Method	7,229	-

Physical Apperance : 1. Sample : slightly - white, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

- SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
- Parameter Outside The Scope of The Registration of Department of Industrial Works
- Sampling By Mr. Songpon Phiwuan (ว-003-ก-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

20/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509071

Report No : 6509-1376

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65090396

Sample Name : Effluent

Sampling Date : 02/09/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 03/09/2022

Tested Date : 17/09/2022

Reported Date : 20/09/2022

Parameter	Unit	Method	Result	Standard/ ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	7.8	-

Physical Apperance : 1. Sample : yellowish, lightly SS

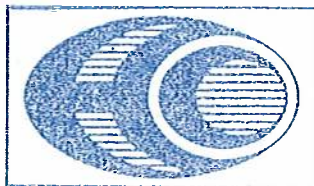
2. Container : Normal [G 0.25 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Songpon Phiwuan (ว-003-ก-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

20/09/2022

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Test Report

Request No : W6510146

Report No : 6510-1368

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65100581

Sample Name : Effluent**

Sampling Date : 05/10/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤20
Cadmium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux,Titrimetric Method (SM:5220C)	< 40	≤120
Copper @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (1-003-8-8334)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-8-4377)

22/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-8-2205)

22/10/2022

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Test Report

Request No : W6510146

Report No : 6510-1368

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65100581

Sample Name : Effluent**

Sampling Date : 05/10/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury [*]	mg/l	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 1
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) [*]		Electrometric Method	7.2	5.5-9.0
Phenol [*]	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	< 0.005	≤ 1
Temperature [*]	°C	Laboratory and Field Method	31	≤ 40

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๖-8334)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(๖-003-๖-4377)
22/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(๖-003-๖-2205)
22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510146

Report No : 6510-1368

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65100581

Sample Name : Effluent**

Sampling Date : 05/10/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids [#]	mg/l	Dried at 103-105 C (SM:2540D)	6	≤50
Zinc [@]	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (1-003-0-8334)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(1-003-ก-4377)
22/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(1-003-ก-2205)
22/10/2022



Test Report

Request No : W6510146

Report No : 6510-1368

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65100581

Sample Name : Effluent

Sampling Date : 05/10/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 06/10/2022

Tested Date : 06/10/2022 - 18/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	< 2.00	-
Flow Rate	m ³ /day	Calculation Method	7,193	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510146

Report No : 6510-1372

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65100585

Sample Name : Effluent

Sampling Date : 05/10/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 06/10/2022

Tested Date : 11/10/2022

Reported Date : 22/10/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	ND	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [G 0.25 L]

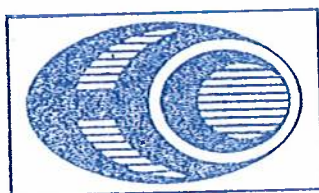
Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. LOQ = Level of Quantitation [LOQ of Coiform Bacteria = 1.8 MPN:100 ml] / ND = Not Detected

5. Sampling By Miss Pornpinan Viriyakusolkul (1-003-0-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

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Test Report

Request No : W6511125

Report No : 6511-1313

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65110527

Sample Name : Effluent**

Sampling Date : 03/11/2022**

Sampling By : ETC**

Sampling Time : 9:05 AM - 3:05 PM**

Sampling Method : Composit**

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	≤0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤0.25

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

17/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

17/11/2022

COPY

Test Report

Request No : W6511125

Report No : 6511-1313

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65110527

Sample Name : Effluent**

Sampling Date : 03/11/2022**

Sampling By : ETC**

Sampling Time : 9:05 AM - 3:05 PM**

Sampling Method : Composit**

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.2
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.005
Nickel [@]	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 1
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 5
pH (on site) *		Electrometric Method	7.0	5.5-9.0
Phenol *	mg/l	Distillation, Direct Photometric Method (SM:5530B,D)	0.058	≤ 1
Temperature *	°C	Laboratory and Field Method	29	≤ 40

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ก-4377)

17/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-ก-2205)

17/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511125

Report No : 6511-1313

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65110527

Sample Name : Effluent**

Sampling Date : 03/11/2022**

Sampling By : ETC**

Sampling Time : 9:05 AM - 3:05 PM**

Sampling Method : Composit**

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	<5	≤50
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤5

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1./1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

17/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

17/11/2022

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Test Report

Request No : W6511125

Report No : 6511-1313

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65110527

Sample Name : Effluent

Sampling Date : 03/11/2022

Sampling By : ETC

Sampling Time : 9:05 AM - 3:05 PM

Sampling Method : Composit

Received Date : 04/11/2022

Tested Date : 04/11/2022 - 15/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	<2.00	-
Flow Rate	m ³ /day	Calculation Method	7,065	-

Physical Apperance : 1. Sample : yellowish, lightly SS

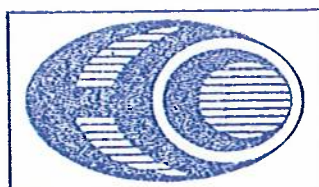
2. Container : Normal [PE 0.5 L [4 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

17/11/2022

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Test Report

Request No : W6511125

Report No : 6511-1317

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65110531

Sample Name : Effluent

Sampling Date : 03/11/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 04/11/2022

Tested Date : 08/11/2022

Reported Date : 17/11/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	ND	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [G 0.25 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. LOQ = Level of Quantitation [LOQ of Coiform Bacteria = 1.8 MPN:100 ml] / ND = Not Detected

5 Sampling By Mr. Parkpoom Buasawad (๖-003-๓-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

17/11/2022

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Test Report

Request No : W6512077

Report No : 6512-0916

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65120410

Sample Name : Effluent**

Sampling Date : 02/12/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Digestion, Inductively Coupled Plasma Method	< 0.10	≤ 0.25
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 20
Cadmium @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤ 0.03
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 120
Copper @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.03	≤ 2
Hexavalent Chromium *	mg/l as Cr ⁶⁺	Filtration, Colorimetric Method (SM:3500 -Cr B)	< 0.050	≤ 0.25

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-จ-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

14/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

14/12/2022

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Test Report

Request No : W6512077

Report No : 6512-0916

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65120410

Sample Name : Effluent**

Sampling Date : 02/12/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Lead [@]	mg/l	Digestion,Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤0.2
Mercury [*]	mg/l	Cold -Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.005
Nickel [@]	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.04	≤1
Oil and Grease [@]	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) [*]		Electrometric Method	7.2	5.5-9.0
Phenol [*]	mg/l	Distillation,Direct Photometric Method (SM:5530B,D)	< 0.005	≤1
Temperature [*]	°C	Laboratory and Field Method	30	≤40
Total Suspended Solids [#]	mg/l	Dried at 103-105 C (SM:2540D)	< 5	≤50

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (4 Bottle) ,PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

14/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

14/12/2022

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Test Report

Request No : W6512077

Report No : 6512-0916

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : WWTP**

Sample No : W 65120410

Sample Name : Effluent**

Sampling Date : 02/12/2022**

Sampling By : ETC**

Sampling Time : 9:00 AM - 3:00 PM**

Sampling Method : Composit**

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Appearance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (4 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-1-5637)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-1-4377)

14/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-1-2205)

14/12/2022

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Test Report

Request No : W6512077

Report No : 6512-0916

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65120410

Sample Name : Effluent

Sampling Date : 02/12/2022

Sampling By : ETC

Sampling Time : 9:00 AM - 3:00 PM

Sampling Method : Composit

Received Date : 03/12/2022

Tested Date : 03/12/2022 - 10/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Ammonia Nitrogen	mg/l as NH ₃ -N	Distillation and Titrimetric Method (SM:4500 -NH ₃ B,4500 -NH ₃ C)	< 2.00	-
Flow Rate	m ³ /day	Calculation Method	7,059	-

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [PE 0.5 L (4 Bottle) ,PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1./1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

14/12/2022

Test Report

Request No : W6512077

Report No : 6512-0920

Customer : MDX Public Co.,Ltd.

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110

Sampling Source : WWTP

Sample No : W 65120414

Sample Name : Effluent

Sampling Date : 02/12/2022

Sampling By : ETC

Sampling Time : 3:00 PM

Sampling Method : Grab

Received Date : 03/12/2022

Tested Date : 08/12/2022

Reported Date : 14/12/2022

Parameter	Unit	Method	Result	Standard ¹
Coliform Bacteria	MPN:100 ml	MPN Test Method (SM:9221B)	ND	-

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [PE 0.25 L]

Remark : 1. /I Notification of the Ministry of Natural Resources and Environmental , B.E. 2559 (2016)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. LOQ = Level of Quantitation [LOQ of Coiform Bacteria = 1.8 MPN:100 ml] / ND = Not Detected

5. Sampling By Mr. Supharerk Phatklang (๓-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

14/12/2022

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Request No. W6509072

Report No. 6509-1361

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Surface Water ** Sample No. : W 65090399
Sample Name : ดินน้ำของพื้นที่โครงการ 200 เมตร** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 11:30 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ¹²	Standard ¹¹
Arsenic *	mg/l	Continuous, Hydride Generation / AAS Method (SM:3114B)	< 0.0020	≤ 0.01	≤ 0.01
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.1	≤ 4	≤ 2
Dissolved Oxygen *	mg/l	Membrane Electrode Method (SM:4500-O G)	3.5	≥ 2	≥ 4
Fecal Coliform Bacteria *	MPN : 100 ml	MPN Test Method (SM:9221E)	330	-	≤ 4000
Lead @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05	≤ 0.05
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002	≤ 0.002

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ค-7279)*
7. ๖ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

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Request No. W6509072

Report No. 6509-1361

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Surface Water ** Sample No. : W 65090399
Sample Name : ดินน้ำของพื้นที่โครงการ 200 เมตร** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 11:30 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ¹²	Standard ¹¹
Nitrate *	mg/l as NO ₃ ⁻	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	< 0.44	-	≤ 5
Nitrogen (Nitrate) *	mg/l as NO ₃ -N	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	< 0.10	≤ 5	≤ 5
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	-	-
pH (on site) *		Electrometric Method	7.3	5.0-9.0	5.0-9.0
Temperature *	°C	Laboratory and Field Method	28	๓ **	๓ **
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	20	-	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (๓-003-ก-7279)*
7. ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลต์ 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

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Request No. W6509072

Report No. 6509-1361

TEST REPORT

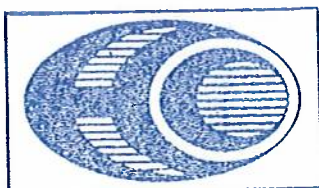
Customer : MDX Public Co.,Ltd.
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110
Sampling Source : Surface Water Sample No. : W 65090399
Sample Name : ดินน้ำของพื้นที่โครงการ 200 เมตร Sampling Date : 02/09/2022
Sampling By : ETC Sampling Time : 11:30 AM
Sampling Method : Grab Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Ammonia Nitrogen #	mg/l	Spectrophotometer	0.10	≤ 0.5	≤ 0.5

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University
4. Sampling By Mr. Songpon Phiwan (จ-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

01/10/2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

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Request No. W6509072

Report No. 6509-1360

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Surface Water** Sample No. : W 65090398
Sample Name : จุฬารายน้ำทิ้ง** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 11:40 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 28/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Arsenic *	mg/l	Continuous, Hydride Generation / AAS Method (SM:3114B)	< 0.0020	≤ 0.01	≤ 0.01
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.1	≤ 4	≤ 2
Dissolved Oxygen *	mg/l	Membrane Electrode Method (SM:4500-O G)	3.0	≥ 2	≥ 4
Fecal Coliform Bacteria *	MPN : 100 ml	MPN Test Method (SM:9221E)	13,000	-	≤ 4000
Lead @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	≤ 0.010	≤ 0.05	≤ 0.05
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002	≤ 0.002

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (จ-003-ก-7279)*
7. ข ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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COPY

Request No. W6509072

Report No. 6509-1360

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, KJongtoey, Bangkok 10110**
Sampling Source : Surface Water** Sample No. : W 65090398
Sample Name : จุกระบายน้ำทิ้ง** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 11:40 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 28/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ¹	Standard ¹
Nitrate *	mg/l as NO ₃ ⁻	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	8.57	-	≤ 5
Nitrogen (Nitrate) *	mg/l as NO ₃ -N	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	1.94	≤ 5	≤ 5
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	-	-
pH (on site) *		Electrometric Method	7.4	5.0-9.0	5.0-9.0
Temperature *	°C	Laboratory and Field Method	32	๗ **	๗ **
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	25	-	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (๖-003-๓-๗279)*
7. ๗ ** = คุณหมื่นของน้ำจะต้องไม่สูงกว่าคุณหมื่นตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

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Request No. W6509072

Report No. 6509-1360

TEST REPORT

Customer : MDX Public Co.,Ltd.
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110
Sampling Source : Surface Water Sample No. : W 65090398
Sample Name : จุฑระบายน้ำทิ้ง Sampling Date : 02/09/2022
Sampling By : ETC Sampling Time : 11:40 AM
Sampling Method : Grab Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022


Parameter	Unit	Method	Result	Standard ^{/2}	Standard ^{/1}
Ammonia Nitrogen #	mg/l	Spectrophotometer	0.25	≤ 0.5	≤ 0.5

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University
4. Sampling By Mr. Songpon Phiwuan (ว-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 
(Miss Apiradee Chuen-arom)
01/10/2022

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Request No. W6509072

Report No. 6509-1359

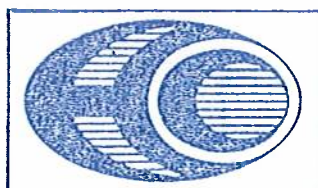
TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Surface Water ** Sample No. : W 65090397
Sample Name : ฝายคลองวังควัน** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 12:10 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Arsenic *	mg/l	Continuous, Hydride Generation / AAS Method (SM:3114B)	< 0.0020	≤ 0.01	≤ 0.01
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 4	≤ 2
Dissolved Oxygen *	mg/l	Membrane Electrode Method (SM:4500-O G)	3.4	≥ 2	≥ 4
Fecal Coliform Bacteria *	MPN : 100 ml	MPN Test Method (SM:9221E)	330	-	≤ 4000
Lead @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤ 0.05	≤ 0.05
Mercury *	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤ 0.002	≤ 0.002

Physical Apperance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (จ-003-ก-7279)*
7. ๓ ** = อุณหภูมิของน้ำจะต้องไม่สูงกว่าอุณหภูมิตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

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Request No. W6509072

Report No. 6509-1359

TEST REPORT

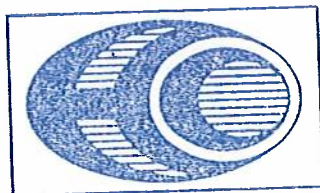
Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Surface Water ** Sample No. : W 65090397
Sample Name : ฝายคลองวังด้วน** Sampling Date : 02/09/2022**
Sampling By : ETC** Sampling Time : 12:10 PM**
Sampling Method : Grab** Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

Parameter	Unit	Method	Result	Standard ¹	Standard ¹
Nitrate *	mg/l as NO ₃ ⁻	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	6.36	-	≤ 5
Nitrogen (Nitrate) *	mg/l as NO ₃ -N	Cadmium Reduction Mehtod (SM:4500 – NO3-B)	1.44	≤ 5	≤ 5
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	-	-
pH (on site) *		Electrometric Method	7.2	5.0-9.0	5.0-9.0
Temperature *	°C	Laboratory and Field Method	32	๓ **	๓ **
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	11	-	-

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

- Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. Mr. Kawee Suthasub is Technical Management. / ** = These data are non laboratory data
6. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (๓-003-๓-7279)*
7. ๓ ** = คุณหมึกของน้ำจะต้องไม่สูงกว่าคุณหมึกตามธรรมชาติ เกิน 3 องศาเซลเซียส



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By

(Mr. Kawee Suthasub)

01/10/2022

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Request No. W6509072

Report No. 6509-1359

TEST REPORT

Customer : MDX Public Co.,Ltd.
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110
Sampling Source : Surface Water Sample No. : W 65090397
Sample Name : ฝายคลองวังคั่น Sampling Date : 02/09/2022
Sampling By : ETC Sampling Time : 12:10 PM
Sampling Method : Grab Received Date : 03/09/2022
Tested Date : 03/09/2022 – 17/09/2022 Reported Date : 01/10/2022

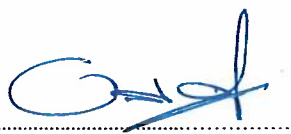
Parameter	Unit	Method	Result	Standard ¹	Standard ¹
Ammonia Nitrogen #	mg/l	Spectrophotometer	0.12	≤ 0.5	≤ 0.5

Physical Appearance : 1. Sample : yellow, lightly SS
2. Container : Normal [PE 0.5 L [3 Bottle], PE 1.0 L (2 Bottle), PE 1.8 L, G 1.0 L]

Remark : 1. /1 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 3
2. /2 Surface Water Quality Standards Notification of the National Environment Board No. 8 , B.E. 2537 (1994), Class 4
3. # Tested by the office of Public Health and Environmental Technology Services Faculty of Public Health Mahidol University
4. Sampling By Mr. Songpon Phiwan (3-003-ก-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 
(Miss Apiradee Chuen-arom)
01/10/2022

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Request No. W6507033, W6509076

Report No. 6507-1537-2, 6509-1394

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Ground Water** Sample No. : W 65070191, W 65090406
Sample Name : บ้านเนินไร่** Sampling Date : 01/07/2022, 02/09/2022**
Sampling By : ETC** Sampling Time : 1:25 PM, 10:00 AM**
Sampling Method : Grab** Received Date : 02/07/2022, 03/09/2022
Tested Date : 04/07/2022 – 13/07/2022 Reported Date : 21/09/2022

Parameter	Unit	Method	Result	Standard ²	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	< 0.0020	None	< 0.01
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	10.7	≤ 250	-
Coliform Bacteria * ³	MPN:100 ml	MPN Test Method (SM:9221B)	ND	Less than 2.2	-
Copper @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 1	≤ 1
Iron @	mg/l	Digestion, Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	≤ 0.5	-
Lead @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	None	< 0.01

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

- Remark :
1. /1 Ground Water Standard Notification of the National of Environment Board No. 20, B.E. 2543 (2000)
 2. /2 Drinking water form Deep Wells Quality Standards,
Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008)
 3. /3 Sample No. W65090406 : Sampling Date 02/09/2022 (10:00 AM) : Tested Date 03/09/2022-17/09/2022
 4. Parameter Outside The Scope of The Registration of Department of Industrial Works
 5. # = ISO/IEC 17025:2017 Accredited by DSS, Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017 / Mr. Kawee Suthasub is Technical Management.
 6. MDL = Method Detection Limit [MDL of Coliform Bacteria = 1.8 MPN:100 ml] / ND = Not Detected
 7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-7280)*
 8. ** = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

21 / 09 / 2022

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Request No. W6507033, W6509076

Report No. 6507-1537-2, 6509-1394

TEST REPORT

Customer : MDX Public Co.,Ltd.**
Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**
Sampling Source : Ground Water** Sample No. : W 65070191, W 65090406
Sample Name : บ้านเนินไร่** Sampling Date : 01/07/2022, 02/09/2022**
Sampling By : ETC** Sampling Time : 1:25 PM, 10:00 AM**
Sampling Method : Grab** Received Date : 02/07/2022, 03/09/2022
Tested Date : 04/07/2022 – 13/07/2022 Reported Date : 21/09/2022

Parameter	Unit	Method	Result	Standard ¹²	Standard ¹¹
M-Alkalinity *	mg/l as CaCO ₃	Titration Method (SM:2320B)	71.8	-	-
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	None	< 0.01
pH (on site) *		Electrometric Method	6.8	7.0-8.5	-
Temperature *	°C	Laboratory and Field Method	29	-	-
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	132	≤ 600	-
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	< 5	-	-
Turbidity *	NTU	Nephelometric Method (SM:2130B)	0.13	≤ 5	-

Physical Appearance : 1. Sample : lightly SS
2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20, B.E. 2543 (2000)
2. /2 Drinking water form Deep Wells Quality Standards,
Notification of the Ministry of Natural Resources and Environment B.E. 2551 (2008)
3. /3 Sample No. W65090406 : Sampling Date 02/09/2022 (10:00 AM) : Tested Date 03/09/2022-17/09/2022
4. Parameter Outside The Scope of The Registration of Department of Industrial Works
5. # = ISO/IEC 17025:2017 Accredited by DSS, Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017 / Mr. Kawee Suthasub is Technical Management.
6. MDL = Method Detection Limit [MDL of Coliform Bacteria = 1.8 MPN:100 ml] / ND = Not Detected
7. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-7280)*
8. ** = These data are non laboratory data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Mr. Kawee Suthasub)

21 / 09 / 2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : Ground Water**

Sample Name : Monitoring Well**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 04/07/2022 - 13/07/2022

Sample No : W 65070192

Sampling Date : 01/07/2022**

Sampling Time : 1:50 PM**

Received Date : 02/07/2022

Reported Date : 22/07/2022

Request No : W6507033

Report No : 6507- 1538

Parameter	Unit	Method	Result	Standard ¹
Arsenic *	mg/l	Continuous Hydride Generation/AAS Method (SM:3114B)	0.0031	≤0.01
Lead @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.010	≤0.01
Mercury #	mg/l	Cold-Vapor Atomic Absorption Spectrometric Method (SM:3112B)	< 0.0010	≤0.001
pH (on site) *		Electrometric Method	6.5	-

Physical Apperance : 1. Sample : orange, lightly SS

2. Container : Normal [PE 0.5 L* [2 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-7280)*

5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(1-003-ก-4377)

22/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(1-003-ก-2205)

22/07/2022

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Test Report

Request No : W6507033

Report No : 6507-1538

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : Ground Water**

Sample No : W 65070192

Sample Name : Monitoring Well**

Sampling Date : 01/07/2022**

Sampling By : ETC**

Sampling Time : 1:50 PM**

Sampling Method : Grab**

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 22/07/2022

Parameter	Unit	Method	Result	Standard ¹
Chloride *	mg/l as Cl ₂	Argentometric Method (SM:4500-Cl- B)	199	-
Copper @	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	< 0.10	-
Iron *	mg/l	Digestion,Direct Air-Acetylene Flame Method (SM:3030F, 3111B)	13.2	-
M-Alkalinity *	mg/l as CaCO ₃	Titration Method (SM:2320B)	676	-
Temperature *	°C	Laboratory and Field Method	31	-
Total Bacteria *	colonies/cm ³	Pour Plate Count Method (SM:9215B)	3,700	-
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	792	-
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	87	-

Physical Apperance : 1. Sample : orange, lightly SS

2. Container : Normal [PE 0.5 L* { 2 Bottle}, PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Mr. Kawee Suthasub is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

6. ** = These data are non laboratory data.



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)

22/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507033

Report No : 6507-1538

Customer : MDX Public Co.,Ltd.**

Address : 199 Ratchadapisek Road, 12 A Floor, Klongtoey, Bangkok 10110**

Sampling Source : Ground Water

Sample No : W 65070192

Sample Name : Monitoring Well

Sampling Date : 01/07/2022

Sampling By : ETC

Sampling Time : 1:50 PM

Sampling Method : Grab

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 13/07/2022

Reported Date : 22/07/2022

Parameter	Unit	Method	Result	Standard ^{1/}
Turbidity *	NTU	Nephelometric Method (SM:2130B)	215	-

Physical Apperance : 1. Sample : orange, lightly SS

2. Container : Normal [PE 0.5 L* [2 Bottle], PE 1.0 L, PE 2.0 L, G 0.25 L]

Remark : 1. /1 Ground Water Standard Notification of the National of Environment Board No. 20 , B.E. 2543 (2000)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Mr. Kawee Suthasub is Technical Management.

5. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

6. ** = These data are non laboratory data.



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Examined By :

(Mr. Kawee Suthasub)

22/07/2022