

# Analysis / Test Report

Of

นิติบุคคลอาคารชุด ไฮดีโอ

สุขุมวิท 115

(January 2022, 1/12)

Ecotech Water Systems Co., Ltd.

20 Soi Kheharomklao 74 Yaek 6, Ratphatthana, Saphansung, Bangkok 10240;

Tel: (66)2-108 6468-9; Fax: (66)2-061 2809

[www.ecotechthailand.com](http://www.ecotechthailand.com) / [www.ecoilab.com](http://www.ecoilab.com)

## ANALYSIS / TEST REPORT

Customer Name : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 Address : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 Contact Details : คุณ สุรัช TEL: 064 983 6659 e-mail: Nitiideo.s115@gmail.com  
 Sampling Source : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 Sample Type / Name : Waste Water  
 Sampling Date : January 10, 2022 (11:30 Hour) Sampling Condition : Grab  
 Received Date : January 10, 2022 Analytical Date : January 11 - 26, 2022  
 Sampling By : Praphan Wongjaesem (๖-295-๙-8290) Analyzed By : Boonsita Phramnut (๖-295-๙-9491)  
 Report No. : JEX-Ww-22-J0025 Quotation No. : QL/21/0410/W/Pw

Parameters	Unit	Method of Analysis	RESULT		Regulatory Standard
			Influent	Effluent	
			Ww-22 J0054	Ww-22 J0055	
BOD*	mg/l	Azide Modification Method	200.0	17.0	< 20
Grease and Oil*	mg/l	Partial-Gravimetric Method	2.4	ND	< 20.0
pH*	-	Electrometric Method	6.3 (25°C)	7.0 (25°C)	5.0-9.0
Suspended Solids*	mg/l	Total Suspended Solids Dried at 103-105°C	121.9	9.5	< 30
Settleable Solids*	mg/l	Imhoff cone	0.4	< 0.1	< 0.5
Sulfide*	mg/l	Iodometric Method	ND	ND	< 1.0
TKN**	mg/l	Total Kjeldahl Nitrogen	42.4	6.3	< 35
Total Dissolved Solids*	mg/l	Total Dissolved Solids Dried at 103-105°C	591	496	< 500
Coliform Bacteria**	MPN/100ml	Multiple Tube Fermentation Technique	>160,000	>160,000	-
Appearance	-	Visual Comparison/ 2120 B*	Yellow, Turbid, Sediment	Yellow, Turbid	-

Laboratory Manager:

  
 (Dr. Angsana Romsaiyud)

๖-295-๙-8288

**Remark:** 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.  
 2) Do not copy partial of this analysis report without official approval.

**Reference:** APHA, AWWA, AND WEF. *Standard Methods for the Examination of Water and Wastewater*. 23rd ed. Washington, DC: APHA, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition:** \* : Analysis by Ecotech Water Systems Co., Ltd / eco-i Laboratory

\*\* : The test was subcontracted to the another laboratory

< : Less than

IN-HOUSE : Based on standard methods for the examination of water and wastewater, APHA, AWWA, WEF, 23th edition, 2017

LOQ : Limit of Quantitation

mg/l : Milligram per Liter

ND : Non-Detectable

SM : Standard methods for the examination of water and wastewater, APHA, AWWA, WEF, 23th edition, 2017

Laboratory Manager: \_\_\_\_\_

(Dr. Angsan Romsaiyud)

๓-295-๙-8288

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Figure of sample

1. Influent



2. Effluent



Laboratory Manager: \_\_\_\_\_

(Dr. Angsana Romsaiyud)

1-295-8-8288

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# Analysis / Test Report

Of

นิติบุคคลอาคารชุด ไอดีโอ

สุขุมวิท 115

(February 2022, 2/12)

Ecotech Water Systems Co., Ltd.

20 Soi Kheharomklao 74 Yaek 6, Ratphatthana, Saphansung, Bangkok 10240;

Tel: (66)2-108 6468-9; Fax: (66)2-061 2809

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## ANALYSIS / TEST REPORT

Customer Name : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 Address : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 Contact Details : คุณ สุรัช TEL: 064 983 6659 e-mail: Nitideo.s115@gmail.com  
 Sampling Source : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 Sample Type / Name : Waste Water  
 Sampling Date : February 3, 2022 (13:00 Hour) Sampling Condition : Grab  
 Received Date : February 4, 2022 Analytical Date : February 5-15, 2022  
 Sampling By : Praphan Wongjaesem (๖-295-๖-8290) Analyzed By : Boonsita Phramnut (๖-295-๖-9491)  
 Report No. : JEX-Ww-22-J0104 Quotation No. : QU/21/0410/W/Pw

Parameters	Unit	Method of Analysis	RESULT		Regulatory Standard
			Influent	Effluent	
			Ww-22 J0244	Ww-22 J0245	
BOD*	mg/l	Azide Modification Method	47.5	15.0	< 20
Grease and Oil*	mg/l	Partial-Gravimetric Method	2.4	1.8	< 20.0
pH*	-	Electrometric Method	6.9 (25°C)	6.6 (25°C)	5.0-9.0
Suspended Solids*	mg/l	Total Suspended Solids Dried at 103-105°C	44.6	30.0	< 30
Settleable Solids*	mg/l	Imhoff cone	0.1	< 0.1	< 0.5
Sulfide*	mg/l	Iodometric Method	ND	ND	< 1.0
TKN**	mg/l	Total Kjeldahl Nitrogen	8.7	< LOQ	< 35
Total Dissolved Solids*	mg/l	Total Dissolved Solids Dried at 103-105°C	440	420	< 500
Coliform Bacteria**	MPN/100ml	Multiple Tube Fermentation Technique	160,000	24,000	-
Appearance	-	Visual Comparison/ 2120 B*	Yellow, Turbid, Sediment	Yellow, Turbid	-

Laboratory Manager:

  
 (Dr. Angsana Romsaiyud)

๖-295-๖-8288

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**Reference:** APHA, AWWA, AND WEF. *Standard Methods for the Examination of Water and Wastewater*. 23rd ed. Washington, DC: APHA, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

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LOQ : Limit of Quantitation

mg/l : Milligram per Liter

ND : Non-Detectable

SM : Standard methods for the examination of water and wastewater, APHA, AWWA, WEF, 23th edition, 2017

Laboratory Manager: \_\_\_\_\_

  
(Dr. Angsana Romsaiyud)

๖-295-๙-8288

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Figure of sample

1. Influent



2. Effluent



Laboratory Manager: \_\_\_\_\_

(Dr. Angsana Romsaiyud)

๑-๒๙๕-๙-๘๒๘๘

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# Report for Sample Analysis

Of

นิติบุคคลอาคารชุด ไอดีโอ

สุขุมวิท 115

(March 2022, 3/12)

Ecotech Water Systems Co., Ltd.

20 Soi Kheharomklao 74 Yaek 6, Ratphatthana, Saphansung, Bangkok 10240;

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## Report for Sample Analysis

**CUSTOMER NAME** : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
**ADDRESS** : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
**CONTACT DETAILS** : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
**SAMPLE TYPE/NAME** : Waste Water **REPORT NO.** : JEX-Ww-22-J0206  
**SAMPLING DATE** : March 3, 2022 **RECEIVED DATE** : March 4, 2022  
**SAMPLING TIME** : 14:00 Hour **ANALYTICAL DATE** : March 5-15, 2022  
**SAMPLING METHOD** : Grab **QUOTATION NO.** : QL/21/0410/W/Pw  
**SAMPLING BY** : Anuruk Tantrasai (๖-295-๙-0001) **WORK NO.** : Ww-22-J0475

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			INFLUENT	
BOD	mg/l	Azide Modification Method	50.0	-
Grease and Oil	mg/l	Partial-Gravimetric Method	2.0	-
pH	-	Electrometric Method	6.9 (25°C)	-
Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	49.5	-
Settleable Solids	mg/l	Imhoff cone	0.1	-
Sulfide	mg/l	Iodometric Method	<LOD(0.13)	-
TKN	mg/l	Total Kjeldahl Nitrogen	8.7	-
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	492	-
Total Coliform Bacteria*	MPN/100ml	Multiple Tube Fermentation Technique	14,000	-
<b>SAMPLE CONDITION</b> Sample Color / Turbid : Yellow / Slightly cloudy Sediment : Yellow				

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition:** \* : The test was subcontracted to the another laboratory



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager: \_\_\_\_\_

(Dr. Angsana Romsaiyud)

๖-295-๙-8288

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## Report for Sample Analysis

**CUSTOMER NAME** : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
**ADDRESS** : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
**CONTACT DETAILS** : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitideo.s115@gmail.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
**SAMPLE TYPE/NAME** : Waste Water **REPORT NO.** : JEX-Ww-22-J0206  
**SAMPLING DATE** : March 3, 2022 **RECEIVED DATE** : March 4, 2022  
**SAMPLING TIME** : 14:00 Hour **ANALYTICAL DATE** : March 5-15, 2022  
**SAMPLING METHOD** : Grab **QUOTATION NO.** : QL/21/0410/W/Pw  
**SAMPLING BY** : Anuruk Tantrasai (๖-295-๖-0001) **WORK NO.** : Ww-22-J0475

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY
			EFFLUENT	STANDARD
BOD	mg/l	Azide Modification Method	12.8	< 20
Grease and Oil	mg/l	Partial-Gravimetric Method	1.4	< 20.0
pH	-	Electrometric Method	7.0 (25°C)	5.0-9.0
Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	18.0	< 30
Settleable Solids	mg/l	Imhoff cone	<0.1	< 0.5
Sulfide	mg/l	Iodometric Method	<LOD(0.13)	< 1.0
TKN	mg/l	Total Kjeldahl Nitrogen	<LOD(1.5)	< 35
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	468	< 500
Total Coliform Bacteria*	MPN/100ml	Multiple Tube Fermentation Technique	17,000	-
<b>SAMPLE CONDITION</b>			Sample Color / Turbid : Colorless /Clear	
			Sediment : -	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition:** \* : The test was subcontracted to the another laboratory



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager:

  
 (Dr. Angsana Romsaiyud)  
 ๖-295-๖-8288

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Figure of sample

1. Influent



2. Effluent



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ว-295

Laboratory Manager: \_\_\_\_\_

*Ang K*  
(Dr. Angsana Romsaiyud)  
ว-295-ท-8288

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# Report for Sample Analysis Of

นิติบุคคลอาคารชุด ไอดีโอ

สุขุมวิท 115

(April 2022, 4/12)

Ecotech Water Systems Co., Ltd.

20 Soi Kheharomklao 74 Yaek 6, Ratphatthana, Saphansung, Bangkok 10240;

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## Report for Sample Analysis

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 ADDRESS : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 CONTACT DETAILS : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
 SAMPLING SOURCE : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 SAMPLE TYPE/NAME : Waste Water REPORT NO. : JEX-Ww-22-J0322  
 SAMPLING DATE : April 01, 2022 RECEIVED DATE : April 02, 2022  
 SAMPLING TIME : 10.00 Hour ANALYTICAL DATE : April 02 - 11, 2022  
 SAMPLING METHOD : Grab QUOTATION NO. : QL/21/0410/W/Pw  
 SAMPLING BY : Praphan Wongjaesem (๖-295-๙-8290) WORK NO. : Ww-22-J0801

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			Influent	
BOD	mg/l	Azide Modification Method	26.9	-
Grease and Oil	mg/l	Partial-Gravimetric Method	10.6	-
pH	-	Electrometric Method	6.5	-
Total Suspended	mg/l	Total Suspended Solids Dried at 103-105°C	35.1	-
Settleable Solids	mg/l	Imhoff cone	<0.1	-
Sulfide	mg/l	Iodometric Method	<LOD (0.13)	-
TKN	mg/l	Total Kjeldahl Nitrogen	19.9	-
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	424.0	-
Total Coliform Bacteria	MPN/100ml	Multiple Tube Fermentation Technique	92,000	-
<b>SAMPLE CONDITION</b>			Sample Color / Turbid : Yellow / Slightly Cloudy	
			Sediment : Brown	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition** \*: The test was subcontracted to another laboratory

**Remark:** *Bold-Italic* number meaning the value out of regulatory standard range



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager:

  
 (Dr. Angsana Romsaiyud)  
 ๖-295-๙-8288

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 ADDRESS : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 CONTACT DETAILS : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitilideo.s115@gmail.com  
 SAMPLING SOURCE : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 SAMPLE TYPE/NAME : Waste Water REPORT NO. : JEX-Ww-22-J0322  
 SAMPLING DATE : April 01, 2022 RECEIVED DATE : April 02, 2022  
 SAMPLING TIME : 10.00 Hour ANALYTICAL DATE : April 02 - 11, 2022  
 SAMPLING METHOD : Grab QUOTATION NO. : QL/21/0410/W/Pw  
 SAMPLING BY : Praphan Wongjaesem (๖-295-๖-8290) WORK NO. : Ww-22-J0802

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			Effluent	
BOD	mg/l	Azide Modification Method	17.9	< 20
Grease and Oil	mg/l	Partial-Gravimetric Method	5.6	< 20.0
pH	-	Electrometric Method	6.4	5.0-9.0
Total Suspended	mg/l	Total Suspended Solids Dried at 103-105°C	18.9	< 30
Settleable Solids	mg/l	Imhoff cone	<0.1	< 0.5
Sulfide	mg/l	Iodometric Method	<LOD (0.13)	< 1.0
TKN	mg/l	Total Kjeldahl Nitrogen	13.7	< 35
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	410	< 500
Total Coliform Bacteria	MPN/100ml	Multiple Tube Fermentation Technique	54,000	-
SAMPLE CONDITION			Sample Color / Turbid : Yellow / Clear	
			Sediment : -	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

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ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager: \_\_\_\_\_

(Dr. Angsana Romsaiyud)

๖-295-๖-8288

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Figure of sample

1. Influent



2. Effluent



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ จ-295

Laboratory Manager:

*Angk*  
(Dr. Angsana Romsaiyud)  
จ-295-ก-8288

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# Report for Sample Analysis Of

นิติบุคคลอาคารชุด ไอดีโอ

สุขุมวิท 115

(May 2022, 5/12)

Ecotech Water Systems Co., Ltd.

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## Report for Sample Analysis

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**ADDRESS** : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
**CONTACT DETAILS** : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
**SAMPLE TYPE/NAME** : Waste Water **REPORT NO.** : JEX-Ww-22-J0428  
**SAMPLING DATE** : May 06, 2022 **RECEIVED DATE** : May 07, 2022  
**SAMPLING TIME** : 11.00 Hour **ANALYTICAL DATE** : May 07 - 16, 2022  
**SAMPLING METHOD** : Grab **QUOTATION NO.** : QL/21/0410/W/Pw  
**SAMPLING BY** : Anurak Tantrasai (๖-295-๖-0001) **WORK NO.** : Ww-22-J1013

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			Influent	
BOD	mg/l	Azide Modification Method	22.5	-
Grease and Oil	mg/l	Partial-Gravimetric Method	3.2	-
pH	-	Electrometric Method	5.8 (pH 25°C)	-
Total Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	30.8	-
Settleable Solids	mg/l	Imhoff cone	<0.1	-
Sulfide	mg/l	Iodometric Method	<LOD (0.00)	-
TKN	mg/l	Total Kjeldahl Nitrogen	17.9	-
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	103	-
Total Coliform Bacteria	MPN/100	Multiple Tube Fermentation Technique	>160,000	-
<b>SAMPLE CONDITION</b>			Sample Color / Turbid : Yellow / Slightly Cloudy	
			Sediment : Yellow	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition** \*: The test was subcontracted to another laboratory

**Remark:** *Bold-Italic* number meaning the value out of regulatory standard range

\*ค่า TDS ของน้ำเสีย Influent (398) เกิน ค่า TDS ของน้ำประปา(295)



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager:

  
 (Dr. Angsapa Romsaiyud)  
 ๖-295-๖-8288

**Remark:** 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.  
 2) Do not copy partial of this analysis report without official approval.

## Report for Sample Analysis

**CUSTOMER NAME** : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
**ADDRESS** : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
**CONTACT DETAILS** : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
**SAMPLING SOURCE** : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
**SAMPLE TYPE/NAME** : Waste Water **REPORT NO.** : JEX-Ww-22-J0428  
**SAMPLING DATE** : May 06, 2022 **RECEIVED DATE** : May 07, 2022  
**SAMPLING TIME** : 11.00 Hour **ANALYTICAL DATE** : May 07 - 16, 2022  
**SAMPLING METHOD** : Grab **QUOTATION NO.** : QL/21/0410/W/Pw  
**SAMPLING BY** : Anurak Tantrasai (๖-295-๖-0001) **WORK NO.** : Ww-22-J1014

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			Effluent	
BOD	mg/l	Azide Modification Method	6.4	< 20
Grease and Oil	mg/l	Partial-Gravimetric Method	<LOD(2.0)	< 20.0
pH	-	Electrometric Method	7.2 (pH 25°C)	5.0-9.0
Total Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	15.6	< 30
Settleable Solids	mg/l	Imhoff cone	<0.1	< 0.5
Sulfide	mg/l	Iodometric Method	<LOD (0.00)	< 1.0
TKN	mg/l	Total Kjeldahl Nitrogen	6.7	< 35
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	205	< 500
Total Coliform Bacteria	MPN/100	Multiple Tube Fermentation Technique	>160,000	-
<b>SAMPLE CONDITION</b>			Sample Color / Turbid : Colourless / Clear	
			Sediment : -	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition** \*: The test was subcontracted to another laboratory

**Remark:** *Bold-Italic* number meaning the value out of regulatory standard range

\*ค่า TDS ของน้ำเสีย Effluent (500) คม ค่า TDS ของน้ำประปา(295)



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager:

(Dr. Angkana Romsaiyud)

๖-295-๖-8288

**Remark:** 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.

2) Do not copy partial of this analysis report without official approval.

Figure of sample

1. Influent



2. Effluent



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ว-295

Laboratory Manager: \_\_\_\_\_

*Ang*  
(Dr. Angsana Romsaiyud)  
ว-295-ค-8288

**Remark:**

- 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.
- 2) Do not copy partial of this analysis report without official approval.



Ecotech Water Systems Co., Ltd.

# Report for Sample Analysis Of

นิติบุคคลอาคารชุด ไอดีโอ

สุขุมวิท 115

(June 2022, 6/12)

Ecotech Water Systems Co., Ltd.

20 Soi Kheharomklao 74 Yaek 6, Ratphatthana, Saphansung, Bangkok 10240;

Tel: (66)2-108 6468-9; Fax: (66)2-061 2809

[www.ecotechthailand.com](http://www.ecotechthailand.com) / [www.ecoilab.com](http://www.ecoilab.com)

## Report for Sample Analysis

CUSTOMER NAME : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 ADDRESS : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 CONTACT DETAILS : คุณ สุรชัย TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
 SAMPLING SOURCE : นิติบุคคลอาคารชุด ไอทีโอ สุขุมวิท 115  
 SAMPLE TYPE/NAME : Waste Water REPORT NO. : JEX-Ww-22-J0553  
 SAMPLING DATE : June 9, 2022 RECEIVED DATE : June 10, 2022  
 SAMPLING TIME : 15.00 Hour ANALYTICAL DATE : June 10 – 20, 2022  
 SAMPLING METHOD : Grab QUOTATION NO. : QL/21/0410/W/Pw  
 SAMPLING BY : Anurak Tantrasai (๗-295-๙-0001) WORK NO. : Ww-22-J1263

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			Influent	
BOD	mg/l	Azide Modification Method	12.8	-
Grease and Oil	mg/l	Partial-Gravimetric Method	3.8	-
pH	-	Electrometric Method	7.0 (pH 25°C)	-
Total Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	19.4	-
Settleable Solids	mg/l	Imhoff cone	<0.1	-
Sulfide	mg/l	Iodometric Method	<LOD (0.00)	-
TKN	mg/l	Total Kjeldahl Nitrogen	21.2	-
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	450.0	-
Total Coliform Bacteria	MPN/100	Multiple Tube Fermentation Technique	11,000	-
SAMPLE CONDITION			Sample Color / Turbid : Yellow / Clear	
			Sediment : Black	

**Reference:** Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

**Standard:** Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

**Definition** \*: The test was subcontracted to another laboratory

**Remark:** *Bold-Italic* number meaning the value out of regulatory standard range

\*ค่า TDS ของน้ำเสีย Influent (450) เกิน ค่า TDS ของน้ำประปา(295)



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๗-295

Laboratory Manager:

  
 (Dr. Angsana Romsaiyud)  
 ๗-295-๙-8288

**Remark:** 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.  
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## Report for Sample Analysis

CUSTOMER NAME : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
 ADDRESS : 234 ม.4 ต.เทพารักษ์ อ.เมืองสมุทรปราการ จ.สมุทรปราการ 10270  
 CONTACT DETAILS : คุณ สุรัชย์ TEL: 064 983 6659 E-mail: Nitiideo.s115@gmail.com  
 SAMPLING SOURCE : นิติบุคคลอาคารชุด ไอดีโอ สุขุมวิท 115  
 SAMPLE TYPE/NAME : Waste Water REPORT NO. : JEX-Ww-22-J0553  
 SAMPLING DATE : June 9, 2022 RECEIVED DATE : June 10, 2022  
 SAMPLING TIME : 15.00 Hour ANALYTICAL DATE : June 10 – 20, 2022  
 SAMPLING METHOD : Grab QUOTATION NO. : QL/21/0410/W/Pw  
 SAMPLING BY : Anurak Tantrasai (๖-295-๖-0001) WORK NO. : Ww-22-J1264

PARAMETERS	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY
			Effluent	STANDARD
BOD	mg/l	Azide Modification Method	3.0	< 20
Grease and Oil	mg/l	Partial-Gravimetric Method	3.0	< 20.0
pH	-	Electrometric Method	7.5 (pH 25°C)	5.0-9.0
Total Suspended Solids	mg/l	Total Suspended Solids Dried at 103-105°C	3.0	< 30
Settleable Solids	mg/l	Imhoff cone	<0.1	< 0.5
Sulfide	mg/l	Iodometric Method	<LOD (0.00)	< 1.0
TKN	mg/l	Total Kjeldahl Nitrogen	11.2	< 35
Total Dissolved Solids	mg/l	Total Dissolved Solids Dried at 180°C	233	< 500
Total Coliform Bacteria	MPN/100	Multiple Tube Fermentation Technique	54,000	-
<u>SAMPLE CONDITION</u>			Sample Color / Turbid : Colourless / Clear	
			Sediment : -	

Reference: Base on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd ed. Washington, 2017

Standard: Notification of the Ministry of Natural Resources and Environment, Subject: Establish control standards Drainage of wastewater from certain types and buildings of certain sizes, dated November 7, 2005, announced in the Government Gazette, Volume 122, Chapter 125 D, dated 29 December 2005.

Definition \*: The test was subcontracted to another laboratory

Remark: ***Bold-Italic*** number meaning the value out of regulatory standard range

\*ค่า TDS ของน้ำเสีย Effluent (528) ตก ค่า TDS ของน้ำประปา(295)



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ๖-295

Laboratory Manager:

(Dr. Angsana Romsaiyud)

๖-295-๖-8288

- Remark.
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  - 2) Do not copy partial of this analysis report without official approval.

Figure of sample

1. Influent



2. Effluent



ห้องปฏิบัติการวิเคราะห์เอกชน : ทะเบียนเลขที่ ว-295

Laboratory Manager:

  
(Dr. Angsapa Romsaiyud)  
ว-295-ค-8288

**Remark:** 1) The above results are valid only for the analyzed / tested sample (s) as indicated in this report only.  
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