

ภาคผนวก ง

แสดงสำเนาผลการตรวจวัดคุณภาพสิ่งแวดล้อม

แสดงรายงานการตรวจวัดคุณภาพสิ่งแวดล้อม

ประจำเดือน สิงหาคม-ธันวาคม พ.ศ. 2568

แสดงรายงานการตรวจวัดคุณภาพอากาศ

ตรวจวัดทุก 6 เดือน (ตรวจวัดเดือนพฤศจิกายน 2568)

แสดงรายงานการตรวจวัดคุณภาพอากาศ

ประจำเดือนพฤศจิกายน พ.ศ. 2568

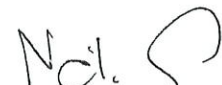
ANALYSIS REPORT

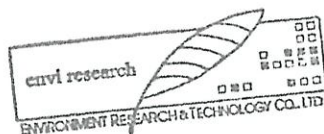
Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Ambient Air Quality
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704331 E, 1432699 N
Sampling Date : November 26-27, 2025
Sampling Time : 11:29
Sampling Method : U.S. EPA 40 CFR Part 50
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.

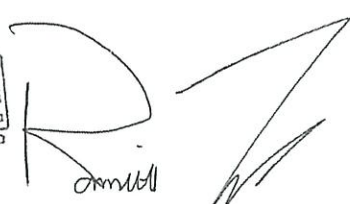
Quotation No. : ER2025-01498
Analysis No. : 2025-AG544
Received Date : November 29, 2025
Analytical Date : November 29-December 8, 2025
Report No. : 2025-RABD349
Report Date : December 8, 2025

Parameter	Unit	Method of Analysis	Result	Standard ^{1'}
Total Suspended Particulate (TSP) 24 Hours Average	mg/m ³	High-Volume, Gravimetric	0.093	0.330
Particulate Size Less Than 10 Micron (PM10) 24 Hours Average	mg/m ³	PM10 Size Selective, High-Volume, Gravimetric	0.048	0.120

Remark : ^{1'} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995) and Notification No.24, B.E.2547 (2004), published in the Royal Government Gazette No.121 Special Part 104D dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).


 (Ms.Natnicha Sermmatiwong)
 Laboratory Reviewer




 (Ms.Ramita Taengthai)
 Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Measured Source : Ambient Air Quality
Measured Point : พื้นที่โครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704331 E, 1432699 N
Measured Date : November 26-27, 2025
Measured By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : CO NDIR Analyzer Horiba Model APMA-370 Serial Number YKAC090F

Quotation No. : ER2025-01498
Analysis No. : 2025-AG544-001
Report No. : 2025-RABD301
Report Date : December 8, 2025

Interval Time	Result CO (mg/m ³)		Standard ^{1/}
	1 hr Avg	8 hr Avg	
11:00-12:00	0.5	-	
12:00-13:00	0.6	-	
13:00-14:00	0.5	-	
14:00-15:00	0.5	-	
15:00-16:00	0.5	-	
16:00-17:00	0.5	-	
17:00-18:00	0.5	-	
18:00-19:00	0.6	0.5	
19:00-20:00	0.6	0.5	
20:00-21:00	0.6	0.5	
21:00-22:00	0.7	0.6	
22:00-23:00	0.6	0.6	
23:00-00:00	0.6	0.6	
00:00-01:00	0.5	0.6	
01:00-02:00	0.5	0.6	
02:00-03:00	0.5	0.6	
03:00-04:00	0.5	0.6	
04:00-05:00	0.5	0.6	
05:00-06:00	0.5	0.5	
06:00-07:00	0.5	0.5	
07:00-08:00	0.5	0.5	
08:00-09:00	0.6	0.5	
09:00-10:00	0.5	0.5	
10:00-11:00	0.5	0.5	
24 Hours Average	0.5	-	-
1 Hour Maximum	0.7	-	34.2
8 Hours Maximum	-	0.6	10.26

Remark : ^{1/} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

(Ms.Piyatida Pradangkho)
Laboratory Reviewer

(Ms.Panicha Promchai)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
 Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
 Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
 Project Location : จังหวัดชลบุรี
 Measured Source : Ambient Air Quality
 Measured Point : พื้นที่โครงการ
 GPS. Coordinate : UTM (WGS84) 47P 0704331 E, 1432699 N
 Measured Date : November 26-27, 2025
 Measured By : Mr.Akarawat Kochobog
 Analyzed By : Environment Research & Technology Co., Ltd.
 Measured Instrument : NOx Chemiluminescence Analyzer Horiba Model APNA-370 Serial Number U9LS50WU

Quotation No. : ER2025-01498
 Analysis No. : 2025-AG544-001
 Report No. : 2025-RABD300
 Report Date : December 8, 2025

Interval Time	Result NO ₂ (mg/m ³)	Standard ^{1'}
11:00-12:00	0.0098	
12:00-13:00	0.0201	
13:00-14:00	0.0158	
14:00-15:00	0.0149	
15:00-16:00	0.0152	
16:00-17:00	0.0186	
17:00-18:00	0.0247	
18:00-19:00	0.0326	
19:00-20:00	0.0346	
20:00-21:00	0.0371	
21:00-22:00	0.0435	
22:00-23:00	0.0284	
23:00-00:00	0.0164	
00:00-01:00	0.0143	
01:00-02:00	0.0145	
02:00-03:00	0.0128	
03:00-04:00	0.0115	
04:00-05:00	0.0139	
05:00-06:00	0.0124	
06:00-07:00	0.0137	
07:00-08:00	0.0207	
08:00-09:00	0.0267	
09:00-10:00	0.0239	
10:00-11:00	0.0183	
24 Hours Average	0.0206	-
1 Hour Maximum	0.0435	0.32

Remark : ^{1'} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995), Notification No.28, B.E.2550 (2007), published in the Royal Government Gazette No.124 Special Part 58D dated May 14, B.E.2550 (2007) and Notification No.33, B.E.2552 (2009), published in the Royal Government Gazette No.126 Special Part 114D dated August 14, B.E.2552 (2009), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

(Ms.Piyatida Pradangkho)
Laboratory Reviewer

(Ms.Panicha Promchai)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Measured Source : Ambient Air Quality
Measured Point : พื้นที่โครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704331 E, 1432699 N
Measured Date : November 26-27, 2025
Measured By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Measured Instrument : SO₂ UV-Fluorescence Analyzer Horiba Model APSA-370 Serial Number G5XCFUN6

Quotation No. : ER2025-01498
Analysis No. : 2025-AG544-001
Report No. : 2025-RABD299
Report Date : December 8, 2025

Interval Time	Result SO ₂ (mg/m ³)	Standard
11:00-12:00	0.0037	
12:00-13:00	0.0039	
13:00-14:00	0.0037	
14:00-15:00	0.0034	
15:00-16:00	0.0034	
16:00-17:00	0.0037	
17:00-18:00	0.0039	
18:00-19:00	0.0037	
19:00-20:00	0.0039	
20:00-21:00	0.0039	
21:00-22:00	0.0037	
22:00-23:00	0.0037	
23:00-00:00	0.0029	
00:00-01:00	0.0029	
01:00-02:00	0.0026	
02:00-03:00	0.0026	
03:00-04:00	0.0024	
04:00-05:00	0.0024	
05:00-06:00	0.0021	
06:00-07:00	0.0024	
07:00-08:00	0.0024	
08:00-09:00	0.0024	
09:00-10:00	0.0026	
10:00-11:00	0.0024	
24 Hours Average	0.0031	0.30^{1'}
1 Hour Maximum	0.0039	0.78^{2'}

Remark : ^{1'} Notification of National Environmental Board, No.10, B.E.2538 (1995), published in the Royal Government Gazette No.112 Part 42D dated May 25, B.E.2538 (1995) and Notification No.24, B.E.2547 (2004), published in the Royal Government Gazette No.121 Special Part 104D dated September 22, B.E.2547 (2004), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

^{2'} Notification of National Environmental Board, No.12, B.E.2538 (1995), published in the Royal Government Gazette No.112 Special Part 27D dated July 13, B.E.2538 (1995) and Notification No.21, B.E.2544 (2001), published in the Royal Government Gazette No.118 Special Part 39D dated April 30, B.E.2544 (2001), under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992).

(Ms.Piyatida Pradangkho)
Laboratory Reviewer

(Ms.Panicha Promchai)
Laboratory Supervisor



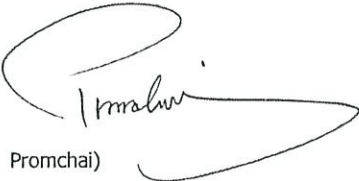
ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Ambient Air Quality
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704331 E, 1432699 N
Sampling Date : November 27, 2025
Sampling Time : 08:00
Sampling Method : APHA 108
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.

Quotation No. : ER2025-01498
Folder No. : 2025-AG544
Received Date : December 1, 2025
Analytical Date : December 1, 2025
Report No. : 2025-RABD298
Report Date : December 8, 2025

Parameter	Unit	Method of Analysis	Result
Total Hydrocarbon	mg/m ³ as methane	Flame Ionization Detection Method	1.71
Methane Hydrocarbon	mg/m ³ as methane	Flame Ionization Detection Method	1.27
Non-Methane Hydrocarbon	mg/m ³ as methane	Flame Ionization Detection Method	0.44


 (Ms.Piyatida Pradangkho)
 Laboratory Reviewer


 (Ms.Panicha Promchai)
 Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำทิ้ง

ตรวจวัด 3 เดือนต่อ 1 ครั้ง

แสดงรายงานการตรวจวัดคุณภาพน้ำทิ้ง

ประจำเดือนสิงหาคม พ.ศ. 2568

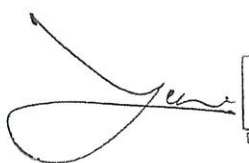
ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำเข้าบริเวณลานจอดรถ
GPS. Coordinate : -
Sampling Date : August 14, 2025
Sampling Time : 12:52
Sampling Method : Grab
Sampling By : Mr.Thanakorn Ariyapongsopon
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Turbid, Yellow, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AE218-001
Received Date : August 15, 2025
Analytical Date : August 15-25, 2025
Report No. : 2025-RAAU680
Report Date : August 28, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result
pH	-	Electrometric	7.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	516
Total Suspended Solids	mg/L	Dried at 103-105°C	3,420
Total Dissolved Solids	mg/L	Dried at 180°C	500
Sulfide	mg/L	ZnS Precipitation, Iodometric	34
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	314
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	105
Settleable Solids	mL/L	Volumetric	52
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.



(Ms.Yuwadee Na Ranong)
Laboratory Reviewer




(Mr.Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำออกบริเวณด้านหน้าโครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704339 E, 1432677 N
Sampling Date : August 14, 2025
Sampling Time : 13:07
Sampling Method : Grab
Sampling By : Mr.Thanakorn Ariyapongsopon
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Turbid, Light Yellow, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AE218-002
Received Date : August 15, 2025
Analytical Date : August 15-25, 2025
Report No. : 2025-RAAU681
Report Date : August 28, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.2	5.5-9.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	38	20
Total Suspended Solids	mg/L	Dried at 103-105°C	201	30
Total Dissolved Solids	mg/L	Dried at 180°C	200	1,000
Sulfide	mg/L	ZnS Precipitation, Iodometric	0.7	1.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	2.8	35
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	37	20
Settleable Solids	mL/L	Volumetric	2.0	-
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Notification of the Ministry of Natural Resources and Environment B.E.2567 (2024), published in the Royal Government Gazette No.141 Special Part 233D dated August 27, B.E.2567 (2024), Maximum permitted value for building Type A.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำออกบริเวณท้ายสระว่ายน้ำ
GPS. Coordinate : UTM (WGS84) 47P 0704234 E, 1432683 N
Sampling Date : August 14, 2025
Sampling Time : 12:38
Sampling Method : Grab
Sampling By : Mr.Thanakorn Ariyapongsopon
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Turbid, Light Yellow, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AE218-003
Received Date : August 15, 2025
Analytical Date : August 15-25, 2025
Report No. : 2025-RAAU682
Report Date : August 28, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.4	5.5-9.0
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	101	20
Total Suspended Solids	mg/L	Dried at 103-105°C	46	30
Total Dissolved Solids	mg/L	Dried at 180°C	227	1,000
Sulfide	mg/L	ZnS Precipitation, Iodometric	1.0	1.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	3.7	35
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	13	20
Settleable Solids	mL/L	Volumetric	0.6	-
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	920,000	-

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Notification of the Ministry of Natural Resources and Environment B.E.2567 (2024), published in the Royal Government Gazette No.141 Special Part 233D dated August 27, B.E.2567 (2024), Maximum permitted value for building Type A.



(Ms.Yuwadee Na Ranong)
Laboratory Reviewer




(Mr.Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำทิ้ง

ประจำเดือนพฤศจิกายน พ.ศ. 2568

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำเข้านริเวณลานจอดรถ
GPS. Coordinate : -
Sampling Date : November 14, 2025
Sampling Time : 12:44
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Turbid, Gray, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AG215-001
Received Date : November 15, 2025
Analytical Date : November 15-December 1, 2025
Report No. : 2025-RABC436
Report Date : December 2, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result
pH	-	Electrometric	7.4
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	672
Total Suspended Solids	mg/L	Dried at 103-105°C	2,580
Total Dissolved Solids	mg/L	Dried at 180°C	456
Sulfide	mg/L	ZnS Precipitation, Iodometric	14
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	193
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	111
Settleable Solids	mL/L	Volumetric	80
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor



ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำออกบริเวณด้านหน้าโครงการ
GPS. Coordinate : UTM (WGS84) 47P 0704337 E, 1432674 N
Sampling Date : November 14, 2025
Sampling Time : 12:34
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Turbid, Yellow, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AG215-002
Received Date : November 15, 2025
Analytical Date : November 15-December 1, 2025
Report No. : 2025-RABC437
Report Date : December 2, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}	Standard ^{3'}
pH	-	Electrometric	5.9	5.5-9.0	5.5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	2,202	20	20
Total Suspended Solids	mg/L	Dried at 103-105°C	2,010	30	30
Total Dissolved Solids	mg/L	Dried at 180°C	438	1,000	500*
Sulfide	mg/L	ZnS Precipitation, Iodometric	4.4	1.0	1.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	67	35	35
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	2,290	20	20
Settleable Solids	mL/L	Volumetric	39	-	0.5
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-	-

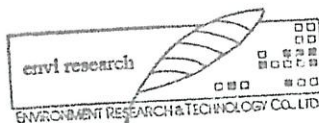
Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Notification of the Ministry of Natural Resources and Environment B.E.2567 (2024), published in the Royal Government Gazette No.141 Special Part 233D dated August 27, B.E.2567 (2024), Maximum permitted value for building Type A.

^{3'} ประกาศเมืองพัทยา เรื่อง กำหนดมาตรฐานคุณภาพน้ำทิ้งเมืองพัทยา ประกาศวันที่ 30 กันยายน พ.ศ.2545

* These values are in addition to the Total Dissolved Solids of water used.

(Ms. Yuwadee Na Ranong)
Laboratory Reviewer



(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Wastewater Sampling
Sampling Point : น้ำออกบริเวณท้ายสระว่ายน้ำ
GPS. Coordinate : UTM (WGS84) 47P 0704235 E, 1432680 N
Sampling Date : November 14, 2025
Sampling Time : 13:03
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Light Yellow, Sediment, Odor

Quotation No. : ER2025-01498
Analysis No. : 2025-AG215-003
Received Date : November 15, 2025
Analytical Date : November 15-December 1, 2025
Report No. : 2025-RABC438
Report Date : December 2, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}	Standard ^{3'}
pH	-	Electrometric	7.5	5.5-9.0	5.5-9
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode	63	20	20
Total Suspended Solids	mg/L	Dried at 103-105°C	28	30	30
Total Dissolved Solids	mg/L	Dried at 180°C	394	1,000	500*
Sulfide	mg/L	ZnS Precipitation, Iodometric	0.5	1.0	1.0
Total Kjeldahl Nitrogen	mg/L	Macro-Kjeldahl, Titrimetric	7.0	35	35
Fat Oil and Grease	mg/L	Liquid-Liquid Partition, Gravimetric	9.4	20	20
Settleable Solids	mL/L	Volumetric	0.5	-	0.5
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	>1,600,000	-	-

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

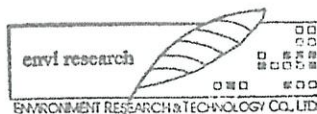
^{2'} Notification of the Ministry of Natural Resources and Environment B.E.2567 (2024), published in the Royal Government Gazette No.141 Special Part 233D dated August 27, B.E.2567 (2024), Maximum permitted value for building Type A.

^{3'} ประกาศเมืองพัทยา เรื่อง กำหนดมาตรฐานคุณภาพน้ำทิ้งเมืองพัทยา ประกาศวันที่ 30 กันยายน พ.ศ.2545

* These values are in addition to the Total Dissolved Solids of water used.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำทิ้ง

ประจำเดือนธันวาคม พ.ศ. 2568


Environment Research & Technology Company Limited

25/114 Mu 6 Soi Chinnakhet 1, Ngam Wong Wan Road,

Thung Song Hong, Lak Si, Bangkok 10210

Tel 0-2954-7745-6 Fax 0-2954-7747

E-mail : envi@enviresearch.co.th

www.enviresearch.co.th

Head Office/Tax ID 0105 542 064 981

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนลิก
GPS. Coordinate : UTM (WGS84) 47P 0704261 E, 1432682 N
Sampling Date : December 15, 2025
Sampling Time : 14:10
Sampling Method : Grab
Sampling By : Mr.Assada Chaiyawong
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

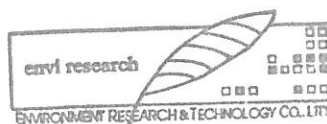
Quotation No. : ER2025-01498
Analysis No. : 2025-AG954-001
Received Date : December 17, 2025
Analytical Date : December 17-19, 2025
Report No. : 2025-RABF386
Report Date : December 25, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.3	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	0.91	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

(Ms.Yuwadee Na Ranong)
Laboratory Reviewer



(Mr.Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนต้น
GPS. Coordinate : UTM (WGS84) 47P 0704262 E, 1432694 N
Sampling Date : December 15, 2025
Sampling Time : 14:15
Sampling Method : Grab
Sampling By : Mr.Assada Chaiyawong
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AG954-002
Received Date : December 17, 2025
Analytical Date : December 17-19, 2025
Report No. : 2025-RABF387
Report Date : December 25, 2025

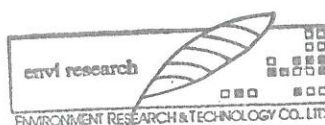
Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.2	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	1.0	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Yuwadee Na Ranong)
Laboratory Reviewer




(Mr.Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานผลการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือน สิงหาคม-ธันวาคม พ.ศ. 2568

แสดงรายงานการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือนสิงหาคม พ.ศ. 2568

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนต้น
GPS. Coordinate : UTM (WGS84) 47P 0704263 E, 1432693 N
Sampling Date : August 14, 2025
Sampling Time : 12:32
Sampling Method : Grab
Sampling By : Mr.Thanakorn Ariyapongsopon
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AE218-005
Received Date : August 15, 2025
Analytical Date : August 15-21, 2025
Report No. : 2025-RAAU684
Report Date : August 28, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.5	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	0.10	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Yuwadee Na Ranong)
Laboratory Reviewer




(Mr.Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

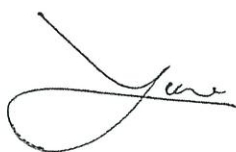
Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนลี้ก
GPS. Coordinate : UTM (WGS84) 47P 0704241 E, 1432688 N
Sampling Date : August 14, 2025
Sampling Time : 12:22
Sampling Method : Grab
Sampling By : Mr.Thanakorn Ariyapongsopon
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AE218-004
Received Date : August 15, 2025
Analytical Date : August 15-21, 2025
Report No. : 2025-RAAU683
Report Date : August 28, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.7	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	0.05	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms.Yuwadee Na Ranong)
Laboratory Reviewer




(Mr.Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือนกันยายน พ.ศ. 2568



ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนดิน
GPS. Coordinate : UTM (WGS84) 47P 0704262 E, 1432695 N
Sampling Date : September 17, 2025
Sampling Time : 08:57
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

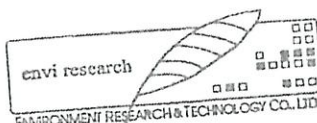
Quotation No. : ER2025-01498
Analysis No. : 2025-AE870-002
Received Date : September 18, 2025
Analytical Date : September 18-22, 2025
Report No. : 2025-RAAX048
Report Date : September 26, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.0	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	1.9	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

(Ms. Yuwadee Na Ranong)
Laboratory Reviewer



(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

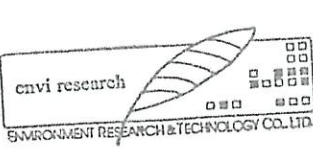
Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณส่วนลึก
GPS. Coordinate : UTM (WGS84) 47P 0704262 E, 1432682 N
Sampling Date : September 17, 2025
Sampling Time : 08:59
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AE870-001
Received Date : September 18, 2025
Analytical Date : September 18-22, 2025
Report No. : 2025-RAAX047
Report Date : September 26, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	6.7	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	2.0	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

envi research
ENVIRONMENT RESEARCH & TECHNOLOGY CO., LTD.

(Ms. Yuwadee Na Ranong)
Laboratory Reviewer



(Mr. Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือนตุลาคม พ.ศ. 2568

ANALYSIS REPORT

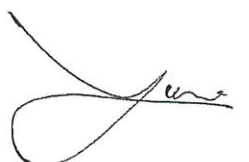
Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนต้น
GPS. Coordinate : UTM (WGS84) 47P 0704262 E, 1432694 N
Sampling Date : October 21, 2025
Sampling Time : 13:35
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AF621-002
Received Date : October 22, 2025
Analytical Date : October 22-30, 2025
Report No. : 2025-RABA052
Report Date : November 1, 2025

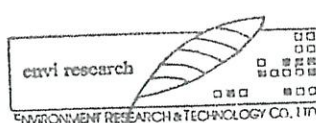
Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.4	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	0.26	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณส่วนลึก
GPS. Coordinate : UTM (WGS84) 47P 0704259 E, 1432683 N
Sampling Date : October 21, 2025
Sampling Time : 13:34
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AF621-001
Received Date : October 22, 2025
Analytical Date : October 22-30, 2025
Report No. : 2025-RABA051
Report Date : November 1, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.3	7.2-8.4
Free Chlorine	mg/L	DPD Colorimetric	0.28	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือนพฤศจิกายน พ.ศ. 2568



ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนต้น
GPS. Coordinate : UTM (WGS84) 47P 0704265 E, 1432693 N
Sampling Date : November 14, 2025
Sampling Time : 13:07
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AG215-005
Received Date : November 15, 2025
Analytical Date : November 15-December 1, 2025
Report No. : 2025-RABC447
Report Date : December 2, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	6.8	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	<0.02	0.6-1.0
Combined Chlorine	ppm	Iodometric, DPD Colorimetric	<0.3	0.5-1.0
Alkalinity	ppm	Titration	<3.0	80-100
Calcium Hardness	ppm	Titration	81	250-600
Cyanuric Acid	ppm	Turbidimetric	18	30-60
Chloride	ppm	Mercuric Nitrate	63	600
Ammonia	ppm	Distillation, Titrimetric	<0.4	20
Nitrate	ppm	Brucine	7.0	50
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None
<i>Escherichia Coli</i>	MPN/100 mL	Most Probable Number	Not Detected	None
<i>Staphylococcus aureus</i> ^{3'}	/100 mL	Membrane Filter Technique	Not Detected	None
<i>Pseudomonas aeruginosa</i> ^{3'}	/100 mL	Membrane Filter Technique	Not Detected	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

^{3'} Analyzed by Subcontractor Laboratory.

(Ms. Yuwadee Na Ranong)
Laboratory Reviewer



(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณส่วนลึก
GPS. Coordinate : UTM (WGS84) 47P 0704238 E, 1432690 N
Sampling Date : November 14, 2025
Sampling Time : 12:58
Sampling Method : Grab
Sampling By : Mr.Akarawat Kochobog
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AG215-004
Received Date : November 15, 2025
Analytical Date : November 15-December 1, 2025
Report No. : 2025-RABC439
Report Date : December 2, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	6.8	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	<0.02	0.6-1.0
Combined Chlorine	ppm	Iodometric, DPD Colorimetric	<0.3	0.5-1.0
Alkalinity	ppm	Titration	<3.0	80-100
Calcium Hardness	ppm	Titration	132	250-600
Cyanuric Acid	ppm	Turbidimetric	13	30-60
Chloride	ppm	Mercuric Nitrate	63	600
Ammonia	ppm	Distillation, Titrimetric	<0.4	20
Nitrate	ppm	Brucine	6.3	50
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None
<i>Escherichia Coli</i>	MPN/100 mL	Most Probable Number	Not Detected	None
<i>Staphylococcus aureus</i> ^{3'}	/100 mL	Membrane Filter Technique	Not Detected	None
<i>Pseudomonas aeruginosa</i> ^{3'}	/100 mL	Membrane Filter Technique	Not Detected	None

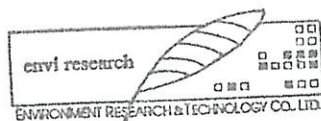
Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.

^{3'} Analyzed by Subcontractor Laboratory.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

แสดงรายงานการตรวจวัดคุณภาพน้ำสระว่ายนํ้า

ประจำเดือนธันวาคม พ.ศ. 2568

ANALYSIS REPORT

Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนต้น
GPS. Coordinate : UTM (WGS84) 47P 0704262 E, 1432694 N
Sampling Date : December 15, 2025
Sampling Time : 14:15
Sampling Method : Grab
Sampling By : Mr.Assada Chaiyawong
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AG954-002
Received Date : December 17, 2025
Analytical Date : December 17-19, 2025
Report No. : 2025-RABF387
Report Date : December 25, 2025

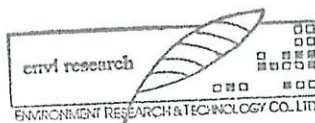
Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.2	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	1.0	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

Remark : ^{1'} Standard Method for Examination of Water and Wastewater, 24th Edition, 2023.

^{2'} Recommendation of the Public Health Committee No. 1/2007 on the Control of Swimming Pool Operations. or other Businesses In the Same Way.



(Ms. Yuwadee Na Ranong)
Laboratory Reviewer




(Mr. Virat Hemvannanukul)
Laboratory Supervisor

ANALYSIS REPORT

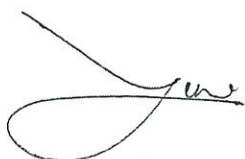
Customer Name : Hydro Systems Co., Ltd.
Address : 48/29 Soi Ngamwongwan 47, Intersection 46 (Chinkhet 2/44), Thung Song Hong, Lak Si, Bangkok 10210
Project Name : โครงการ LK Emerald Beach จังหวัดชลบุรี
Project Location : จังหวัดชลบุรี
Sampling Source : Pool Water Sampling
Sampling Point : สระว่ายน้ำบริเวณสวนลี้ก
GPS. Coordinate : UTM (WGS84) 47P 0704261 E, 1432682 N
Sampling Date : December 15, 2025
Sampling Time : 14:10
Sampling Method : Grab
Sampling By : Mr.Assada Chaipayong
Analyzed By : Environment Research & Technology Co., Ltd.
Physical Properties : Clear, Colorless, No Sediment, Odorless

Quotation No. : ER2025-01498
Analysis No. : 2025-AG954-001
Received Date : December 17, 2025
Analytical Date : December 17-19, 2025
Report No. : 2025-RABF386
Report Date : December 25, 2025

Parameter	Unit	Method of Analysis ^{1'}	Result	Standard ^{2'}
pH	-	Electrometric	7.3	7.2-8.4
Free Chlorine	ppm	DPD Colorimetric	0.91	0.6-1.0
Total Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	10
Fecal Coliform Bacteria	MPN/100 mL	Most Probable Number	<1.8	None

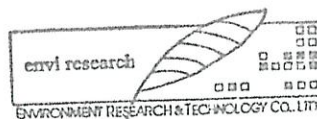
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