

ภาคผนวก ง

ผลการตรวจสอบคุณภาพสิ่งแวดล้อม

- ง1 ผลการตรวจวัดคุณภาพน้ำทิ้ง
- ง2 ผลการตรวจวัดคุณภาพน้ำระเหยน้ำ
- ง3 ผลการตรวจวัดคุณภาพน้ำใช้



ง1 ผลการตรวจวัดคุณภาพน้ำทิ้ง



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
 Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
 Address Project : เลขที่ 4404 ถนนพระรามที่ 4 พระโขนง เขตคลองเตย กรุงเทพมหานคร 10110
 Sampling Point : น้ำเสียก่อนเข้าระบบบำบัด
 GPS. Coordinate : 47 P 671896 E 1516317 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
 Sample No. : W68063/1
 Sample Type : Wastewater
 Sampling Date : 22 July 2025
 Sampling Time : 12.03 p.m.
 Received Date : 23 July 2025
 Analytical Date : 23 July – 06 August 2025
 Report Date : 07 August 2025

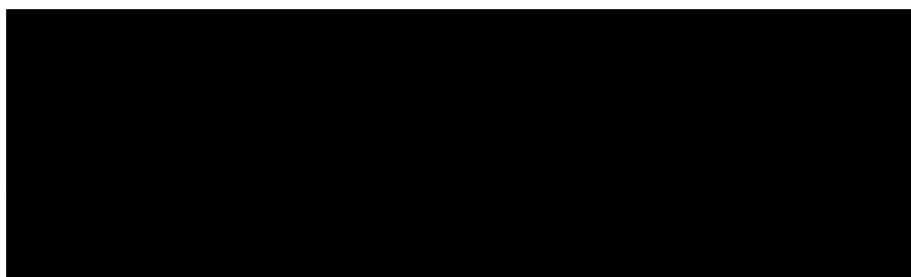
Parameter	Unit	Analytical Method ^{1/}	Result
pH at 24.6 °C	-	Electrometric Method (4500-H ⁺ B)	7.6
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	28.0
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	346
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	59.2
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.6
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.01
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.6
Total Kjeldahl Nitrogen * ^{2/}	mg/L N	APHA:4500-Norg (B) ^{3/}	32
Sample Appearance		Yellow/Turbid/Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถนนพระรามที่ 4 พระโขนง เขตคลองเตย กรุงเทพมหานคร 10110
Sampling Point : น้ำทิ้งหลังออกจากระบบบำบัด
GPS. Coordinate : 47 P 671763 E 1516493 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/2
Sample Type : Wastewater
Sampling Date : 22 July 2025
Sampling Time : 11.49 a.m.
Received Date : 23 July 2025
Analytical Date : 23 July – 06 August 2025
Report Date : 07 August 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25.1 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5 - 9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	11.8	≤ 30
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	324	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	10.8	≤ 20
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.4	-
Total Kjeldahl Nitrogen * ^{2/}	mg/L N	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

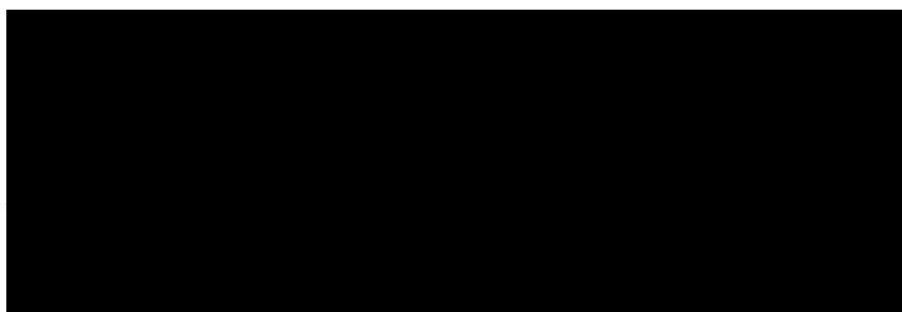
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

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ANALYSIS REPORT

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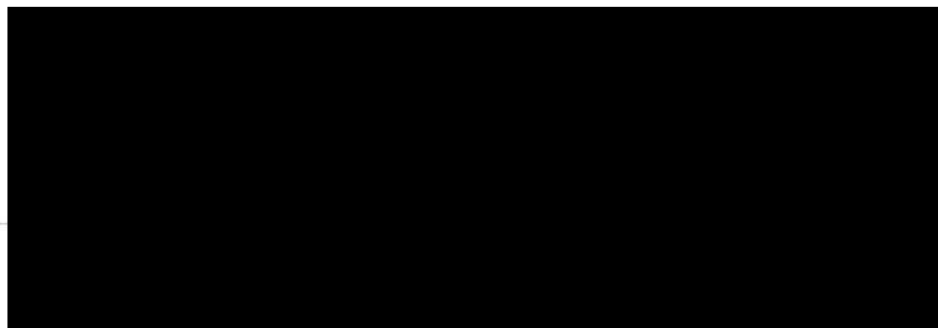
Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำเสียก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 P 671895 E 1516314 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/1
Sample Type : Wastewater
Sampling Date : 18 September 2025
Sampling Time : 04.13 p.m.
Received Date : 19 September 2025
Analytical Date : 19 September – 01 October 2025
Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 23.0 °C	-	Electrometric Method (4500-H ⁺ B)	7.8
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	56.0
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	284
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	92.4
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.4
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.20
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.5
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	57
Sample Appearance		Yellow/Turbid/Sediment/Smelly	

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.
^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.
^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.
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ANALYSIS REPORT

Data Provided by Customer

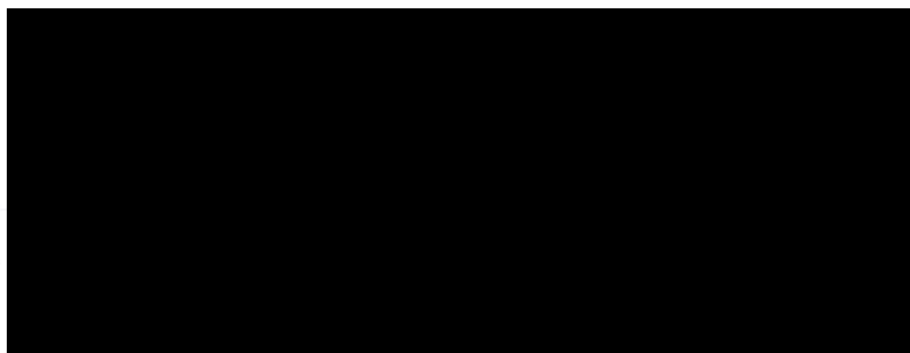
Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำเสียก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 P 671887 E 1516309 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/1
Sample Type : Wastewater
Sampling Date : 19 August 2025
Sampling Time : 11.39 a.m.
Received Date : 20 August 2025
Analytical Date : 20 August – 01 September 2025
Report Date : 02 September 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 23.0 °C	-	Electrometric Method (4500-H ⁺ B)	7.4
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	83.1
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	396
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	56.0
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.1
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.21
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	1.6
Total Kjeldahl Nitrogen ^{* 2/}	mg/L	APHA:4500-Norg (B) ^{3/}	49
Sample Appearance		Yellow/Turbid/Sediment/Smelly	

- Remark**
- ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.
 - ^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.
 - ^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.
 - * This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอที (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำทิ้งหลังออกจากระบบบำบัด
GPS. Coordinate : 47 P 671755 E 1516498 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/2
Sample Type : Wastewater
Sampling Date : 19 August 2025
Sampling Time : 11.51 a.m.
Received Date : 20 August 2025
Analytical Date : 20 August – 01 September 2025
Report Date : 02 September 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 23.7 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5 - 9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	8.1	≤ 30
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	368	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	8.3	≤ 20
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.1	-
Total Kjeldahl Nitrogen ^{*2/}	mg/L	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

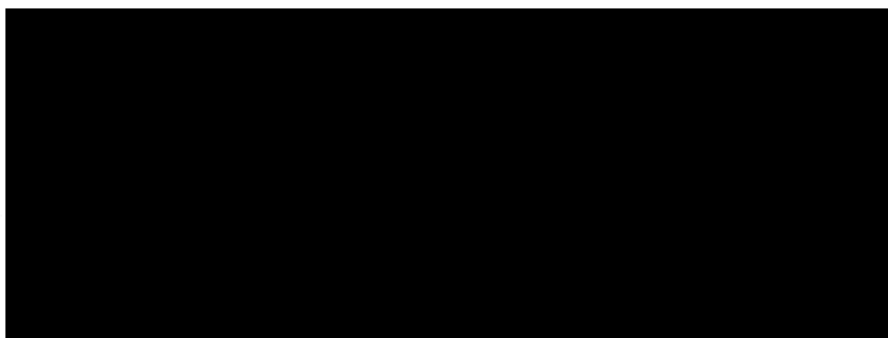
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

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ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำทิ้งหลังออกจากระบบบำบัด
GPS. Coordinate : 47 P 671759 E 1516490 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/2
Sample Type : Wastewater
Sampling Date : 18 September 2025
Sampling Time : 04.22 p.m.
Received Date : 19 September 2025
Analytical Date : 19 September – 01 October 2025
Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 23.7 °C	-	Electrometric Method (4500-H ⁺ B)	7.6	5.5 - 9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	11.5	≤ 30
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	325	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	4.3	≤ 20
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.1	-
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

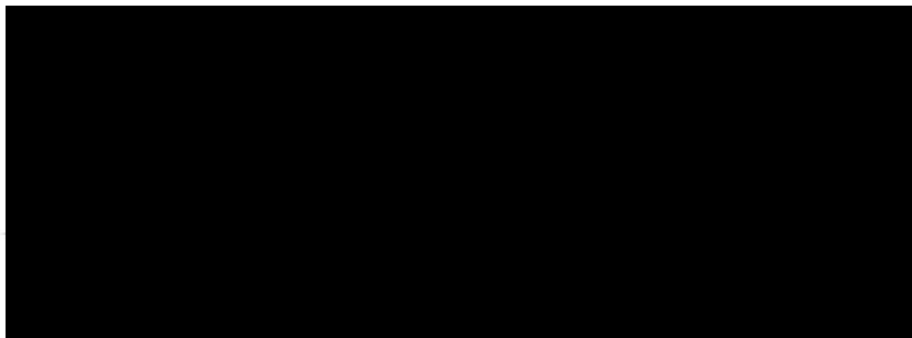
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

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ANALYSIS REPORT

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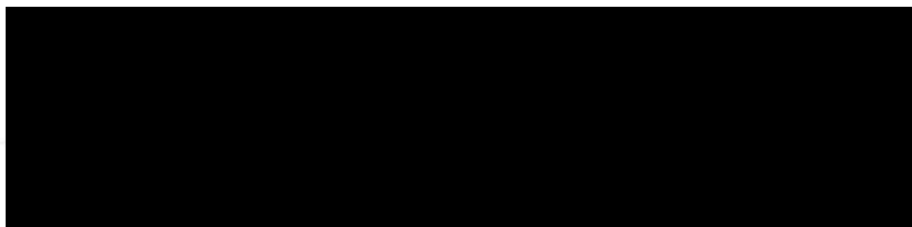
Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย กรุงเทพมหานคร 10110
Sampling Point : น้ำเสียก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 P 671893 E 1516307 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/1
Sample Type : Wastewater
Sampling Date : 09 October 2025
Sampling Time : 02.18 p.m.
Received Date : 10 October 2025
Analytical Date : 10 – 30 October 2025
Report Date : 31 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25.2 °C	-	Electrometric Method (4500-H ⁺ B)	7.2
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	82.7
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	218
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	168
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.5
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.06
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	3.0
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	22
Sample Appearance		White/Turbid/Sediment/Smelly	

- Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.
^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.
^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.
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ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำทิ้งหลังออกจากระบบบำบัด
GPS. Coordinate : 47 P 671764 E 1516483 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/2
Sample Type : Wastewater
Sampling Date : 09 October 2025
Sampling Time : 02.28 p.m.
Received Date : 10 October 2025
Analytical Date : 10 – 30 October 2025
Report Date : 31 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 24.8 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5 - 9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	6.4	≤ 30
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	260	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	3.5	≤ 20
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	< 0.1	-
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

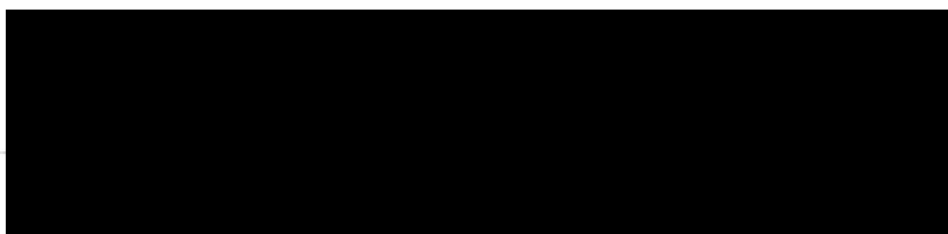
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024) , Building type A.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

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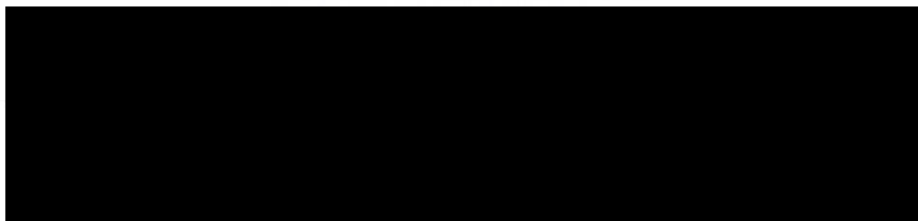
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 กรุงเทพมหานคร 10110
 Sampling Point : น้ำเสียก่อนเข้าระบบบำบัด
 GPS. Coordinate : 47 P 671765 E 1516511 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
 Sample No. : W68063/1
 Sample Type : Wastewater
 Sampling Date : 13 November 2025
 Sampling Time : 03.18 p.m.
 Received Date : 14 November 2025
 Analytical Date : 14 November – 02 December 2025
 Report Date : 03 December 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 23.1 °C	-	Electrometric Method (4500-H ⁺ B)	8.9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	213
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	751
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	148
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.8
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.35
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	10.0
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	121
Sample Appearance		Yellow/Turbid/Sediment/Smelly	

- Remark**
- ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.
- ^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.
- ^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.
- *
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ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำทิ้งหลังออกจากระบบบำบัด
GPS. Coordinate : 47 P 671893 E 1516314 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/2
Sample Type : Wastewater
Sampling Date : 13 November 2025
Sampling Time : 03.31 p.m.
Received Date : 14 November 2025
Analytical Date : 14 November – 02 December 2025
Report Date : 03 December 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 23.2 °C	-	Electrometric Method (4500-H ⁺ B)	7.6	5.5 - 9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 C)	11.0	≤ 30
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 D)	150	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	8.8	≤ 20
Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.1	-
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

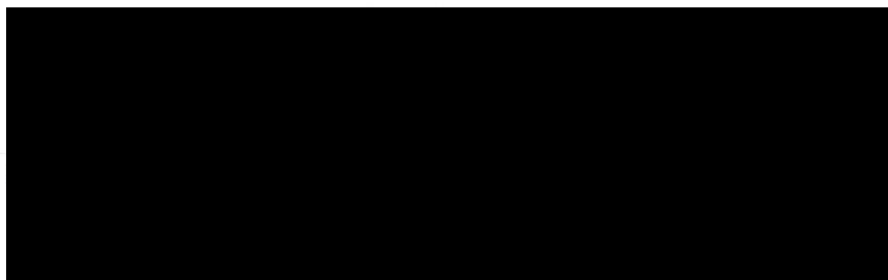
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024). , Building type A.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ง2 ผลการตรวจวัดคุณภาพน้ำสระว่ายน้ำ



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถนนพระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำสระว่ายน้ำ
GPS. Coordinate : 47 P 671879 E 1515317 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

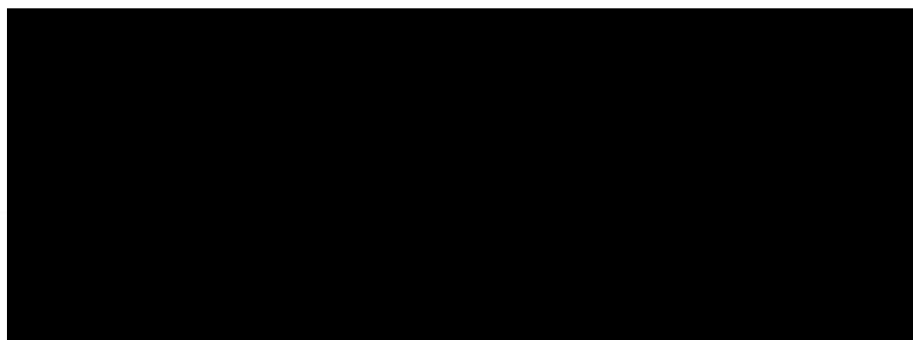
Customer Code : W68063
Sample No : W68063/3
Sample Type : Swimming pool Water
Sampling Date : 22 July 2025
Sampling Time : 11.25 a.m.
Received Date : 23 July 2025
Analytical Date : 23 July – 01 August 2025
Report Date : 04 August 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	Not Detected
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
Sample Appearance		Clear/ Odorless		

Standard : Public Health Commission Recommendation (No. 1) B.E. 2550 (2007), on the control of the operation swimming pools or other.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำสระว่ายน้ำ
GPS. Coordinate : 47 P 671836 E 1516328 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68063
Sample No : W68063/3
Sample Type : Swimming pool Water
Sampling Date : 18 September 2025
Sampling Time : 04.02 p.m.
Received Date : 19 September 2025
Analytical Date : 19 September – 01 October 2025
Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Alkalinity *	mg/L as CaCO ₃	Titration Method (2320 B)	56.2	80-100
Combine Chlorine *	mg/L	Amperometric Titration Method (4500-Cl D)	< 0.5	0.5-1.0
Cyanuric acid ^{2/}	mg/L	Colorimetric ^{4/}	1	30-60
Calcium Hardness *	mg/L as CaCO ₃	EDTA Titrimetric Method (3500-Ca B)	122	250-600
N-Ammonia ^{2/}	mg/L N	APHA : 4500-NH ₃ (C) ^{4/}	0.56	≤ 20
Nitrate ^{2/}	mg/L N	APHA : 4500-NO ₂ (D) ^{4/}	0.8	≤ 50
Chloride *	mg/L	Argentometric Method (4500-Cl- B)	68.9	≤ 600
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> ^{3/}	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 B	Not Detected	Not Detected
<i>Pseudomonas aeruginosa</i> ^{3/}	/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th Edition, 2023, Part 9213 E	Not Detected	Not Detected
Sample Appearance		Clear/Odorless		

Standard : Public Health Commission Recommendation (No. 1) B.E. 2550 (2007), on the control of the operation swimming pools or other.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co., Ltd. Registration number Wo-029.

^{3/} Analy

^{4/} Stand

* This is

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : น้ำสระว่ายน้ำ
GPS. Coordinate : 47 P 671840 E 1516315 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

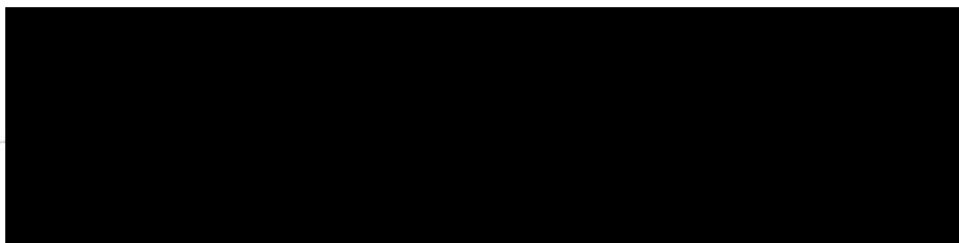
Customer Code : W68063
Sample No : W68063/3
Sample Type : Swimming pool Water
Sampling Date : 09 October 2025
Sampling Time : 02.12 p.m.
Received Date : 10 October 2025
Analytical Date : 10 – 27 October 2025
Report Date : 28 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
Sample Appearance		Clear/Odorless		

Standard : Public Health Commission Recommendation (No. 1) B.E. 2550 (2007), on the control of the operation swimming pools or other.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
 Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
 Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
 กรุงเทพมหานคร 10110
 Sampling Point : น้ำสระว่ายน้ำ
 GPS. Coordinate : 47 P 671848 E 1516312 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

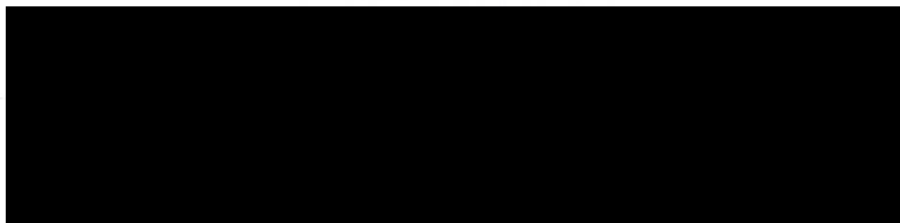
Customer Code : W68063
 Sample No : W68063/3
 Sample Type : Swimming pool Water
 Sampling Date : 13 November 2025
 Sampling Time : 03.12 p.m.
 Received Date : 14 November 2025
 Analytical Date : 14 November – 02 December 2025
 Report Date : 03 December 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
Sample Appearance		Clear/Odorless		

Standard : Public Health Commission Recommendation (No. 1) B.E. 2550 (2007), on the control of the operation swimming pools or other.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ง3 ผลการตรวจวัดคุณภาพน้ำใช้



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
กรุงเทพมหานคร 10110
Sampling Point : ภายในพื้นที่โครงการ
GPS. Coordinate : 47 P 671835 E 1516320 NQ
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/4
Sample Type : Water Supply
Sampling Date : 18 September 2025
Sampling Time : 04.08 p.m.
Received Date : 19 September 2025
Analytical Date : 19 September – 01 October 2025
Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Odor *	-	Threshold Odor Test (2150 B)	Not Objectionability	-
True Color ^{*, 2/}	Pt-Co	APHA:2120 B ^{3/}	< 5	≤ 15
Turbidity ^{*, 2/}	NTU	APHA:2130 B ^{3/}	0.36	≤ 5
Sample Appearance		Clear/Odorless		

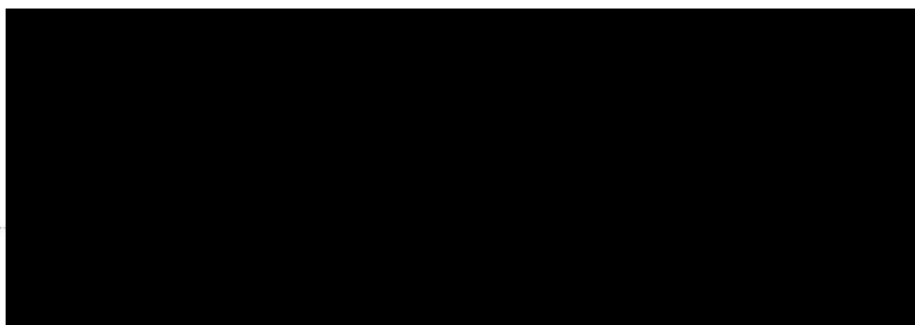
Standard : The Department of Health, Criteria's of Supplied Drinkable Water Quality, B.E. 2563

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
 กรุงเทพมหานคร 10110
Sampling Point : น้ำสระว่ายน้ำ
GPS. Coordinate : 47 P 671831 E 1516362 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

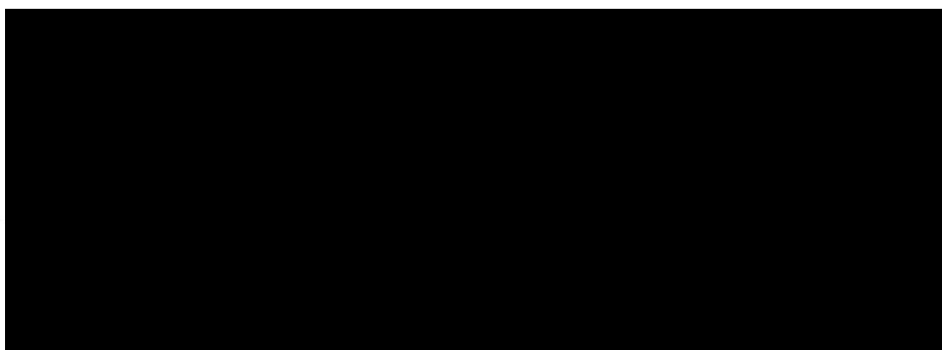
Customer Code : W68063
Sample No : W68063/3
Sample Type : Swimming pool Water
Sampling Date : 19 August 2025
Sampling Time : 11.33 a.m.
Received Date : 20 August 2025
Analytical Date : 20 - 29 August 2025
Report Date : 01 September 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	Not Detected
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
Sample Appearance		Clear/Odorless		

Standard : Public Health Commission Recommendation (No. 1) B.E. 2550 (2007), on the control of the operation swimming pools or other.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
 Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
 Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย กรุงเทพมหานคร 10110
 Sampling Point : ถังเก็บน้ำใต้ดิน (จุดที่ 1)
 GPS. Coordinate : 47 P 671773 E 1516352 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
 Sample No. : W68063/5
 Sample Type : Water Supply
 Sampling Date : 18 September 2025
 Sampling Time : 03.27 p.m.
 Received Date : 19 September 2025
 Analytical Date : 19 September – 01 October 2025
 Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Odor *	-	Threshold Odor Test (2150 B)	Not Objectionability	-
True Color *, ^{2/}	Pt-Co	APHA:2120 B ^{3/}	< 5	≤ 15
Turbidity *, ^{2/}	NTU	APHA:2130 B ^{3/}	0.56	≤ 5
Sample Appearance		Clear/Odorless		

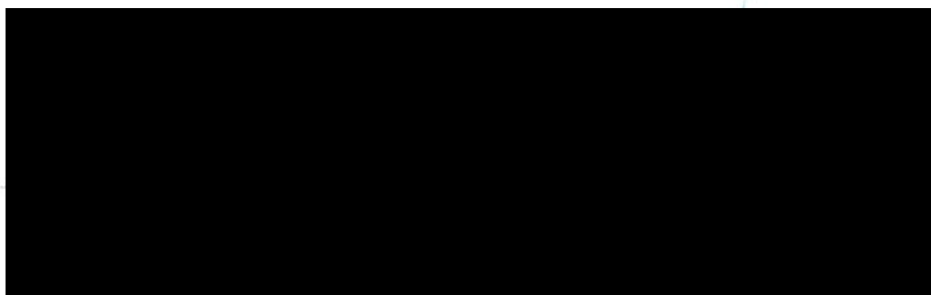
Standard : The Department of Health, Criteria's of Supplied Drinkable Water Quality, B.E. 2563

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
 Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
 Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย กรุงเทพมหานคร 10110
 Sampling Point : ถังเก็บน้ำใต้ดิน (จุดที่ 2)
 GPS. Coordinate : 47 P 671835 E 1516309 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
 Sample No. : W68063/6
 Sample Type : Water Supply
 Sampling Date : 18 September 2025
 Sampling Time : 03.34 p.m.
 Received Date : 19 September 2025
 Analytical Date : 19 September – 01 October 2025
 Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Odor *	-	Threshold Odor Test (2150 B)	Not Objectionability	-
True Color *, ^{2/}	Pt-Co	APHA:2120 B ^{3/}	< 5	≤ 15
Turbidity *, ^{2/}	NTU	APHA:2130 B ^{3/}	0.47	≤ 5
Sample Appearance		Clear/Odorless		

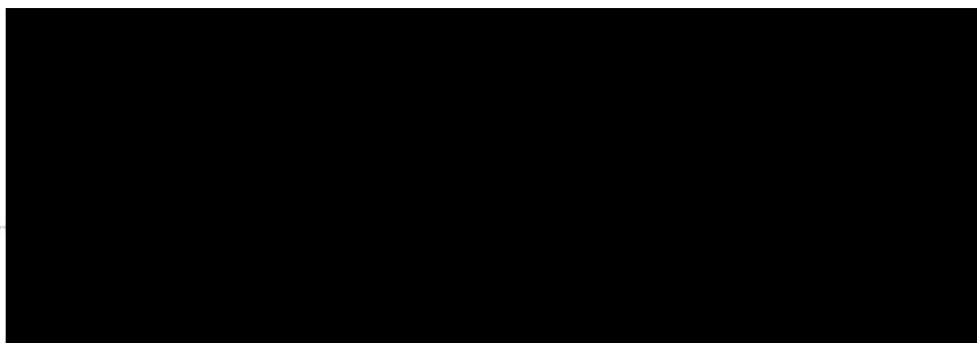
Standard : The Department of Health, Criteria's of Supplied Drinkable Water Quality, B.E. 2563

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
 Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
 Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
 กรุงเทพมหานคร 10110
 Sampling Point : ถังเก็บน้ำชั้นที่ 38 (จุดที่ 1)
 GPS. Coordinate : 47 P 671846 E 1516315 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
 Sample No. : W68063/7
 Sample Type : Water Supply
 Sampling Date : 18 September 2025
 Sampling Time : 03.53 p.m.
 Received Date : 19 September 2025
 Analytical Date : 19 September – 01 October 2025
 Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Odor *	-	Threshold Odor Test (2150 B)	Not Objectionability	-
True Color *, 2/	Pt-Co	APHA:2120 B ^{3/}	< 5	≤ 15
Turbidity *, 2/	NTU	APHA:2130 B ^{3/}	0.04	≤ 5
Sample Appearance		Clear/Odorless		

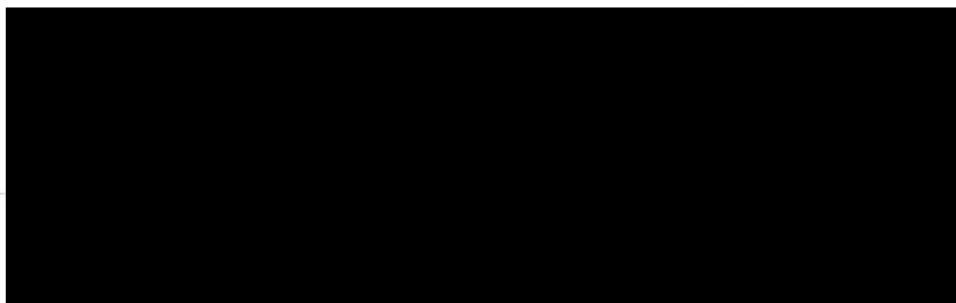
Standard : The Department of Health, Criteria's of Supplied Drinkable Water Quality, B.E. 2563

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เอพี (ไทยแลนด์) จำกัด (มหาชน)
Project Name : โครงการแอสปาย สุขุมวิท-พระราม 4
Address Project : เลขที่ 4404 ถ. พระรามที่ 4 พระโขนง เขตคลองเตย
 กรุงเทพมหานคร 10110
Sampling Point : ถังเก็บน้ำชั้นที่ 38 (จุดที่ 2)
GPS. Coordinate : 47 P 671860 E 15163284 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68063
Sample No. : W68063/8
Sample Type : Water Supply
Sampling Date : 18 September 2025
Sampling Time : 03.56 p.m.
Received Date : 19 September 2025
Analytical Date : 19 September – 01 October 2025
Report Date : 02 October 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Odor *	-	Threshold Odor Test (2150 B)	Not Objectionability	-
True Color *, ^{2/}	Pt-Co	APHA:2120 B ^{3/}	< 5	≤ 15
Turbidity *, ^{2/}	NTU	APHA:2130 B ^{3/}	0.67	≤ 5
Sample Appearance		Clear/Odorless		

Standard : The Department of Health, Criteria's of Supplied Drinkable Water Quality, B.E. 2563

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

^{3/} Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd edition 2017.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.

