

ภาคผนวก ง

ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม



ANALYSIS REPORT

Data Provided by Customer

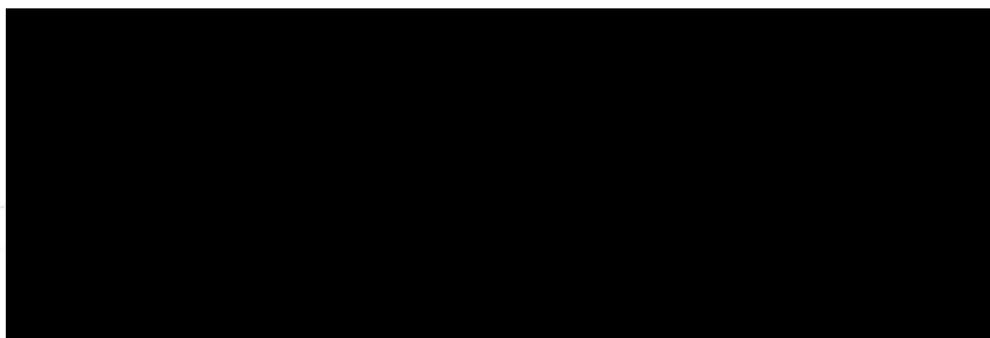
Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 Q 496937 E 2078540 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
Sample No. : W68021/1
Sample Type : Wastewater
Sampling Date : 27 January 2025
Sampling Time : 01.58 p.m.
Received Date : 28 January 2025
Analytical Date : 28 January - 10 February 2025
Report Date : 11 February 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	6.9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	74.6
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	391
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	286
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.63
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	<0.1
Total Kjeldahl Nitrogen ^{2/}	mg/L	Based on Standard Method for Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th edition, 2023, part 4500-Norg B and part 4500-NH ₃ C.	80.22
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	401
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 SGS (Thailand) Limited, Environmental Laboratory (Rayong Branch) registration number Wo-197.
* This item is out the scope ISO/IEC 17025:2017 Accreditation.



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศรีมังคลาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : บ่อพักน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
GPS. Coordinate : 47 Q 496943 E 2078542 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
Sample No. : W68021/2
Sample Type : Wastewater
Sampling Date : 27 January 2025
Sampling Time : 01.47 p.m.
Received Date : 28 January 2025
Analytical Date : 28 January - 10 February 2025
Report Date : 11 February 2025

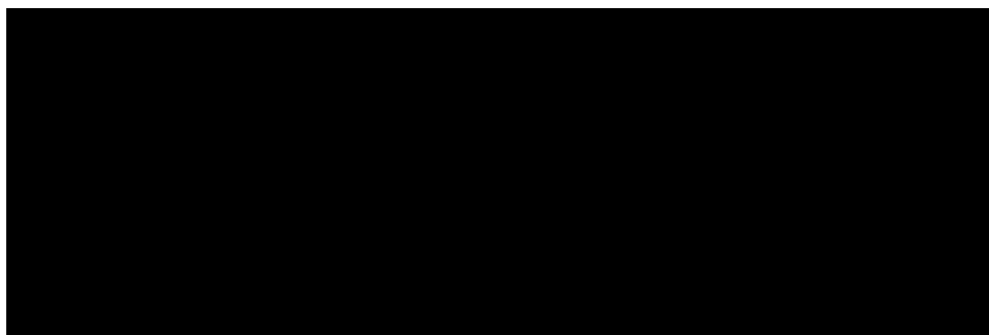
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	46.8	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	292	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	86.7	≤ 30
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.43	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	< 0.1	-
Total Kjeldahl Nitrogen ^{*2/}	mg/L	Based on Standard Methods for Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th edition, 2023, part 4500-Norg B and part 4500-NH ₃ C.	75.84	≤ 35
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	203	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow/Turbid/Sediment/Smelly		

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 B.

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

^{2/} Analyzed by SGS (Thailand) Limited, Environmental Laboratory (Rayong Branch) registration number Wo-197.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนลึก
GPS. Coordinate : 47 Q 496909 E 2078541 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/3
Sample Type : Swimming pool Water
Sampling Date : 27 January 2025
Sampling Time : 02.12 p.m.
Received Date : 28 January 2025
Analytical Date : 28 January – 10 February 2025
Report Date : 11 February 2025

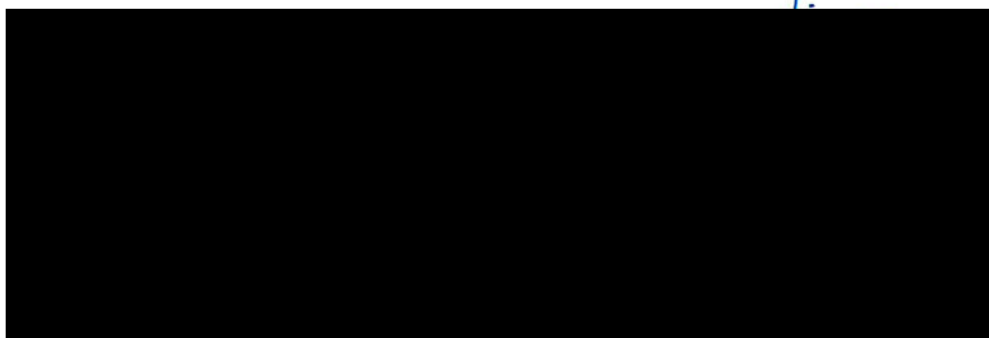
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลอาจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : สระว่ายน้ำส่วนต้น
 GPS. Coordinate : 47 Q 496919 E 2078546 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
 Sample No : W68021/4
 Sample Type : Swimming pool Water
 Sampling Date : 27 January 2025
 Sampling Time : 02.11 p.m.
 Received Date : 28 January 2025
 Analytical Date : 28 January - 10 February 2025
 Report Date : 11 February 2025

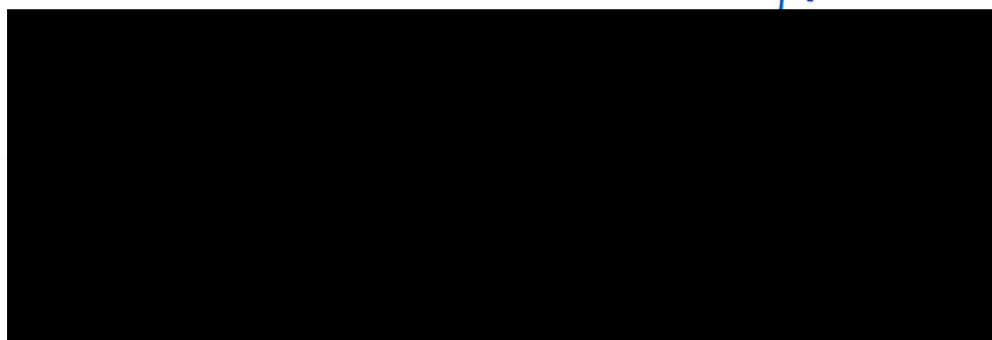
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 Q 496933 E 2078547 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

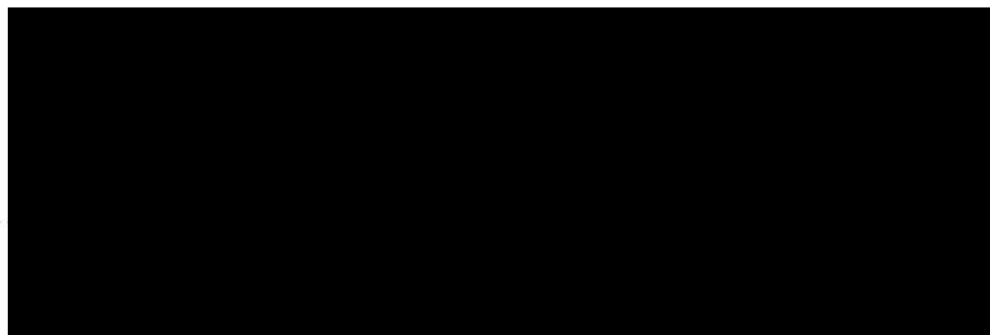
Report No. : W68021
Sample No. : W68021/1
Sample Type : Wastewater
Sampling Date : 12 February 2025
Sampling Time : 02.37 p.m.
Received Date : 13 February 2025
Analytical Date : 13 – 26 February 2025
Report Date : 27 February 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 24.1 °C	-	Electrometric Method (4500-H ⁺ B)	7.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	260
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	290
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	262
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.3
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.01
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	4.5
Total Kjeldahl Nitrogen * ^{2/}	mg/L	Based on Standard Methods for Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th edition, 2023, part 4500-Norg B and part 4500-NH ₃ C.	67.0
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	604
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 SGS (Thailand) Limited, Environmental Laboratory (Rayong Branch) registration number Wo-197.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอนไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลอาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : บ่อพักน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
GPS. Coordinate : 47 Q 496950 E 2078541 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68012
Sample No. : W68021/2
Sample Type : Wastewater
Sampling Date : 12 February 2025
Sampling Time : 02.29 p.m.
Received Date : 13 February 2025
Analytical Date : 13 – 26 February 2025
Report Date : 27 February 2025

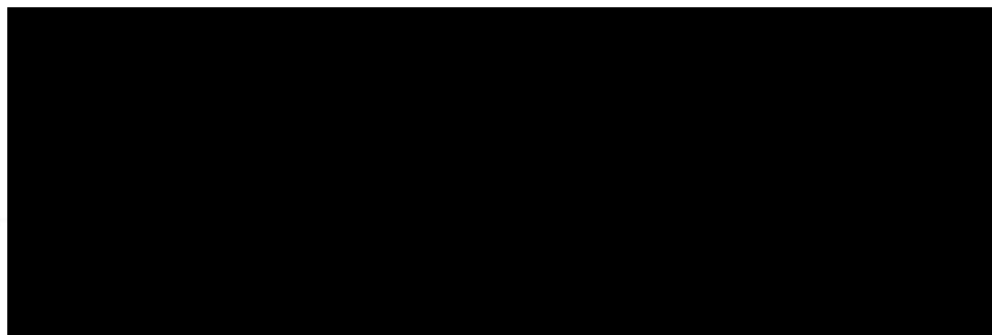
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 24.4 °C	-	Electrometric Method (4500-H ⁺ B)	7.3	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	29.5	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	230	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	17.7	≤ 30
Fat, 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	Based on Standard Methods for Examination of Water and Wastewater, APHA, AWWA, WEF, 24 th edition, 2023, part 4500-Norg B and part 4500-NH ₃ C.	29.0	≤ 35
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	108	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow/Turbid/Sediment/Smelly		

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 B.

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

^{2/} Analyzed by SGS (Thailand) Limited, Environmental Laboratory (Rayong Branch) registration number Wo-197.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนเล็ก
GPS. Coordinate : 47 Q 496889 E 2078521 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/3
Sample Type : Swimming pool Water
Sampling Date : 12 February 2025
Sampling Time : 02.26 p.m.
Received Date : 13 February 2025
Analytical Date : 13 – 26 February 2025
Report Date : 27 February 2025

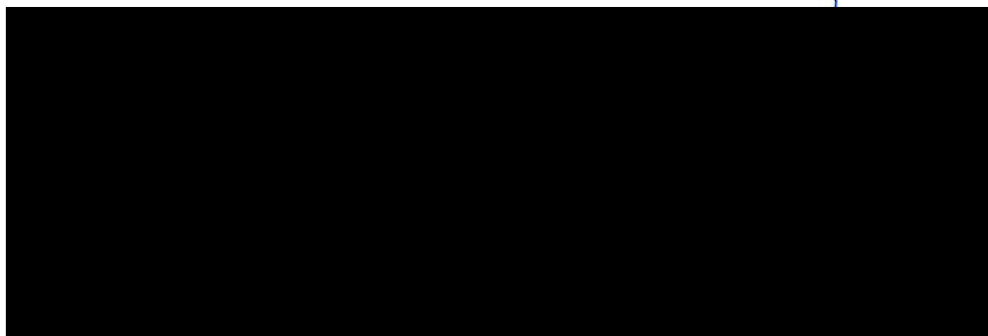
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมิ่งคลาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนต้น
GPS. Coordinate : 47 Q 496913 E 2078542 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/4
Sample Type : Swimming pool Water
Sampling Date : 12 February 2025
Sampling Time : 02.25 p.m.
Received Date : 13 February 2025
Analytical Date : 13 – 26 February 2025
Report Date : 27 February 2025

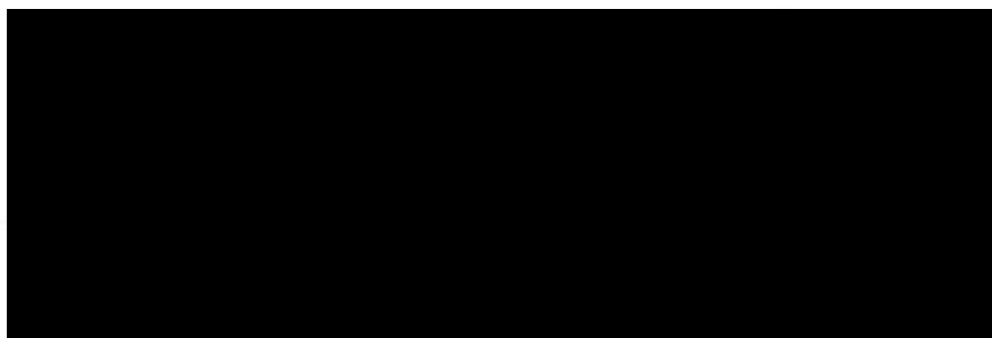
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> ^{2/}	/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> ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลอาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 Q 496923 E 2078546 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
Sample No. : W68021/1
Sample Type : Wastewater
Sampling Date : 19 March 2025
Sampling Time : 01.38 p.m.
Received Date : 20 March 2025
Analytical Date : 20 – 31 March 2025
Report Date : 01 April 2025

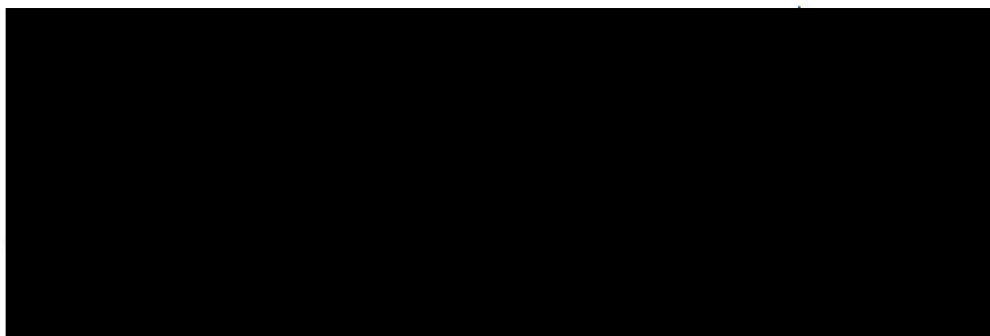
Parameter	Unit	Analytical Method ^{1/}	Result
pH at 23.3 °C	-	Electrometric Method (4500-H ⁺ B)	6.9
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	1250
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	372
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	506
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.8
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.75
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	22
Total Kjeldahl Nitrogen * ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	55
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	1,964
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : ป่อกักน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
 GPS. Coordinate : 47 Q 496942 E 2078531 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68012
 Sample No. : W68021/2
 Sample Type : Wastewater
 Sampling Date : 19 March 2025
 Sampling Time : 01.24 p.m.
 Received Date : 20 March 2025
 Analytical Date : 20 – 31 March 2025
 Report Date : 01 April 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 23.2 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	69.8	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	347	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	114	≤ 30
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.5	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.01	≤ 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
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	152	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow/Turbid/Sediment/Smelly		

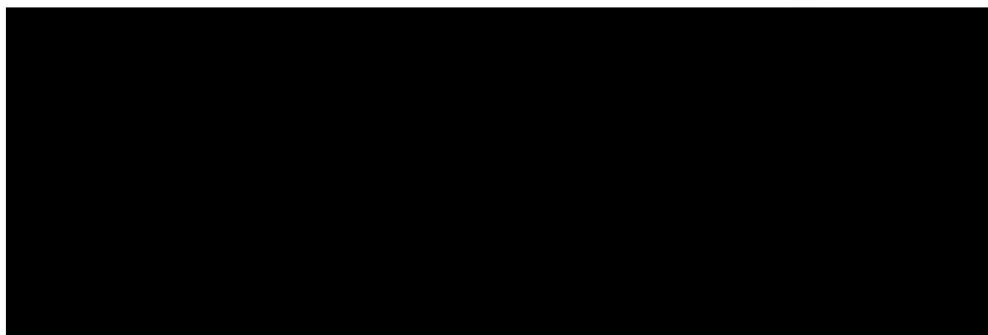
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024) Building type B.

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.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลอาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนลึก
GPS. Coordinate : 47 Q 496912 E 2078538 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/3
Sample Type : Swimming pool Water
Sampling Date : 19 March 2025
Sampling Time : 01.21 p.m.
Received Date : 20 March 2025
Analytical Date : 20 – 31 March 2025
Report Date : 01 April 2025

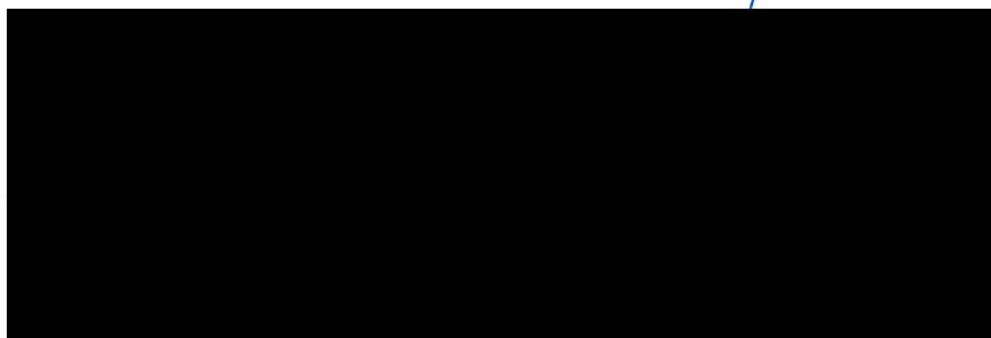
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเมนต์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลอาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนต้น
GPS. Coordinate : 47 Q 496912 E 2078537 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/4
Sample Type : Swimming pool Water
Sampling Date : 19 March 2025
Sampling Time : 01.22 p.m.
Received Date : 20 March 2025
Analytical Date : 20 – 31 March 2025
Report Date : 01 April 2025

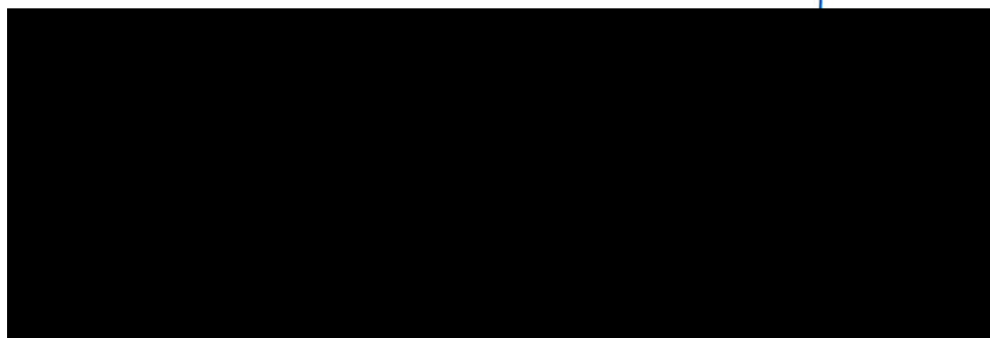
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

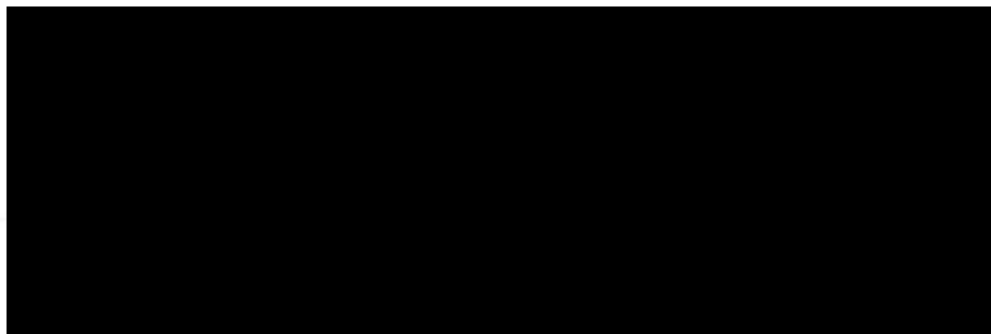
Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 Q 496932 E 2078544 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
Sample No. : W68021/1
Sample Type : Wastewater
Sampling Date : 10 April 2025
Sampling Time : 09.09 a.m.
Received Date : 11 April 2025
Analytical Date : 11 – 30 April 2025
Report Date : 02 May 2025

Parameter	Unit	Analytical Method ^{1/}	Result
pH at 27.1 °C	-	Electrometric Method (4500-H ⁺ B)	7.6
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	132
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	312
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	100
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.4
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	0.77
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	8.0
Total Kjeldahl Nitrogen ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	37
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	344
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมิ่งมงคลจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : บ่อพักน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
 GPS. Coordinate : 47 Q 496955 E 2078540 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68012
 Sample No. : W68021/2
 Sample Type : Wastewater
 Sampling Date : 10 April 2025
 Sampling Time : 09.02 a.m.
 Received Date : 11 April 2025
 Analytical Date : 11 – 30 April 2025
 Report Date : 02 May 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 27.8 °C	-	Electrometric Method (4500-H ⁺ B)	7.5	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	36.1	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	116	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	< 2.0	≤ 30
Fat, 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)	0.5	-
Total Kjeldahl Nitrogen ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	< 0.28	≤ 35
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	45	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	-
Sample Appearance		Yellow/Turbid/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 B.

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.

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนลึก
GPS. Coordinate : 47 Q 496908 E 2078540 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/3
Sample Type : Swimming pool Water
Sampling Date : 10 April 2025
Sampling Time : 09.20 a.m.
Received Date : 11 April 2025
Analytical Date : 11 – 29 April 2025
Report Date : 30 April 2025

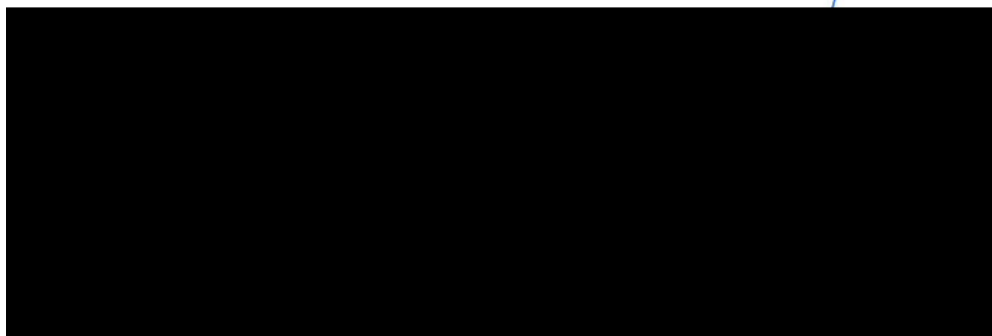
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนต้น
GPS. Coordinate : 47 Q 496808 E 2078540 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/4
Sample Type : Swimming pool Water
Sampling Date : 10 April 2025
Sampling Time : 09.21 a.m.
Received Date : 11 April 2025
Analytical Date : 11 – 29 April 2025
Report Date : 30 April 2025

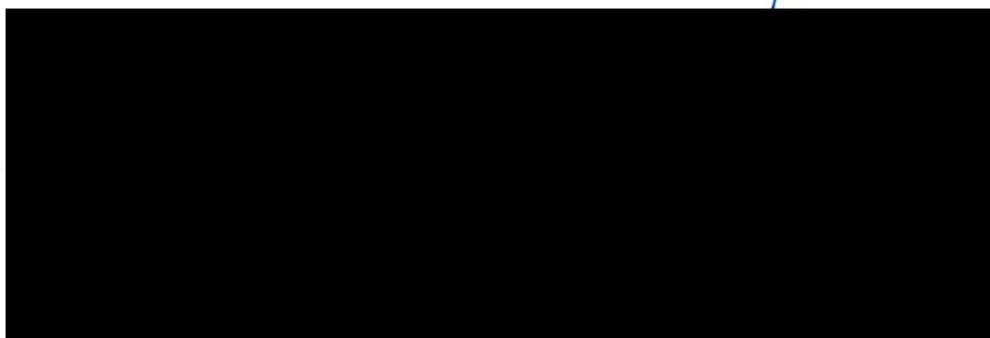
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria*	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
GPS. Coordinate : 47 Q 496927 E 2078539 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
Sample No. : W68021/1
Sample Type : Wastewater
Sampling Date : 07 May 2025
Sampling Time : 01.40 p.m.
Received Date : 08 May 2025
Analytical Date : 08 – 22 May 2025
Report Date : 23 May 2025

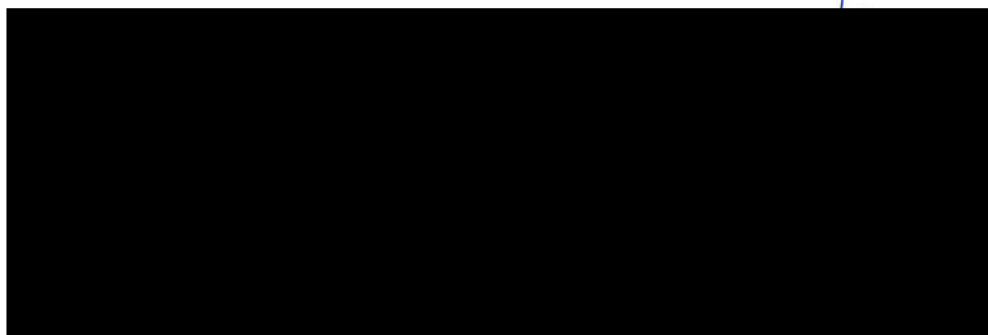
Parameter	Unit	Analytical Method ^{1/}	Result
pH at 22.3 °C	-	Electrometric Method (4500-H ⁺ B)	6.6
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	774
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	464
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O ₂ G, 5210 B)	321
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.8
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	5.00
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	35
Total Kjeldahl Nitrogen * ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	274
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	2,304
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : ป็อพน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
 GPS. Coordinate : 47 Q 496943 E 2078528 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
 Sample No. : W68021/2
 Sample Type : Wastewater
 Sampling Date : 07 May 2025
 Sampling Time : 01.32 p.m.
 Received Date : 08 May 2025
 Analytical Date : 08 – 22 May 2025
 Report Date : 23 May 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 22.7 °C	-	Electrometric Method (4500-H ⁺ B)	7.3	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	69.0	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	402	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	39.9	≤ 30
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	1.71	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.1	-
Total Kjeldahl Nitrogen ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	59	≤ 35
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	240	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow/Turbid/Sediment/Smelly		

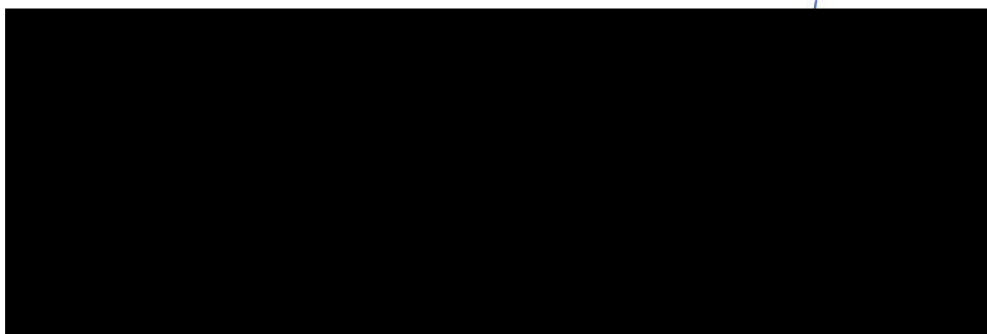
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024) Building type B.

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 เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนเล็ก
GPS. Coordinate : 47 Q 496922 E 2078548 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/3
Sample Type : Swimming pool Water
Sampling Date : 07 May 2025
Sampling Time : 01.25 p.m.
Received Date : 08 May 2025
Analytical Date : 08 – 21 May 2025
Report Date : 22 May 2025

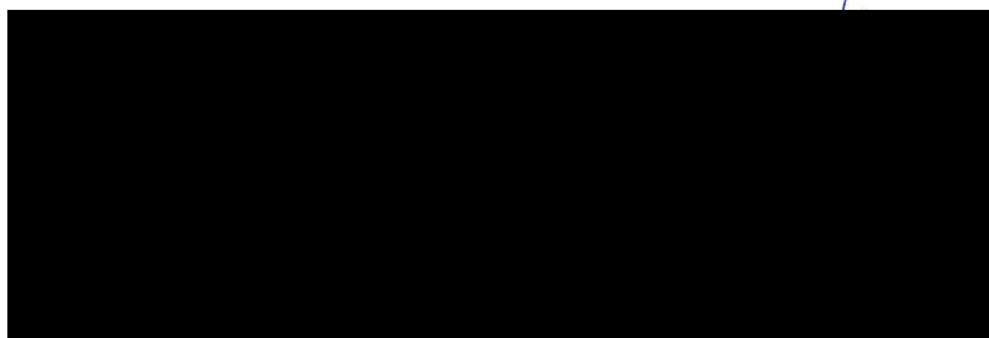
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนต้น
GPS. Coordinate : 47 Q 496922 E 2078548 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/4
Sample Type : Swimming pool Water
Sampling Date : 07 May 2025
Sampling Time : 01.26 p.m.
Received Date : 08 May 2025
Analytical Date : 08 – 21 May 2025
Report Date : 22 May 2025

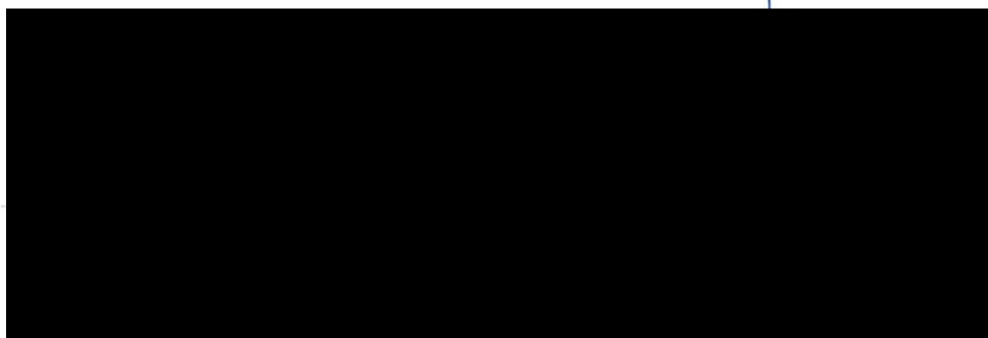
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศรีมงคลจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : น้ำทิ้งก่อนเข้าระบบบำบัด
 GPS. Coordinate : 47 Q 496934 E 2078544 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
 Sample No. : W68021/1
 Sample Type : Wastewater
 Sampling Date : 01 June 2025
 Sampling Time : 12.28 p.m.
 Received Date : 02 June 2025
 Analytical Date : 02 – 16 June 2025
 Report Date : 17 June 2025

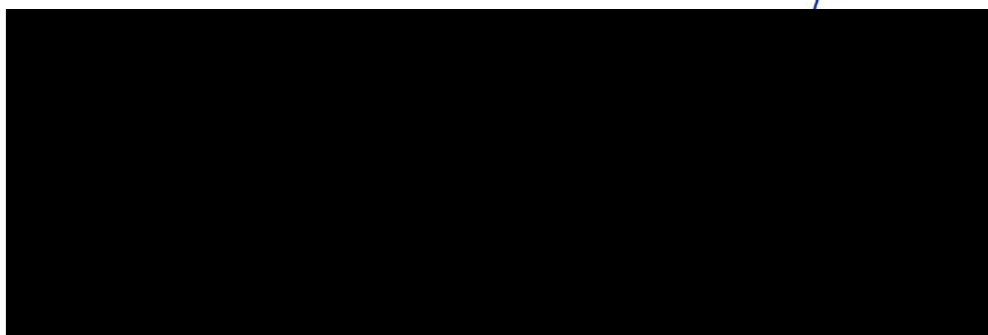
Parameter	Unit	Analytical Method ^{1/}	Result
pH at 26.9 °C	-	Electrometric Method (4500-H ⁺ B)	6.7
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	669
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	333
Biochemical Oxygen Demand *	mg/L	5 Day BOD Test, Azide Modification (4500-O C, 5210 B)	951
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	2.9
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	2.02
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	8.0
Total Kjeldahl Nitrogen * ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	112
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	2,004
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000
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 เชียงใหม่ เอนไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : บ่อพักน้ำสุดท้ายก่อนระบายออกสู่ท่อรับน้ำทิ้งสาธารณะ
 GPS. Coordinate : 47 Q 496944 E 2078540 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : W68021
 Sample No. : W68021/2
 Sample Type : Wastewater
 Sampling Date : 01 June 2025
 Sampling Time : 12.21 p.m.
 Received Date : 02 June 2025
 Analytical Date : 02 – 16 June 2025
 Report Date : 17 June 2025

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 26.4 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	50.0	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	274	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5 Day BOD Test, Azide Modification (4500-O C, 5210 B)	76.4	≤ 30
Fat, Oil and Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	0.71	≤ 1.0
Settleable Solids *	mL/L	Imhoff Cone (2540 F)	0.4	-
Total Kjeldahl Nitrogen ^{2/}	mg/L	APHA:4500-Norg (B) ^{3/}	84	≤ 35
Chemical Oxygen Demand	mg/L	Close Reflux, Titrimetric Method (5220 C)	188	-
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	> 160,000	-
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	> 160,000	-
Sample Appearance		Yellow/Turbid/Sediment/Smelly		

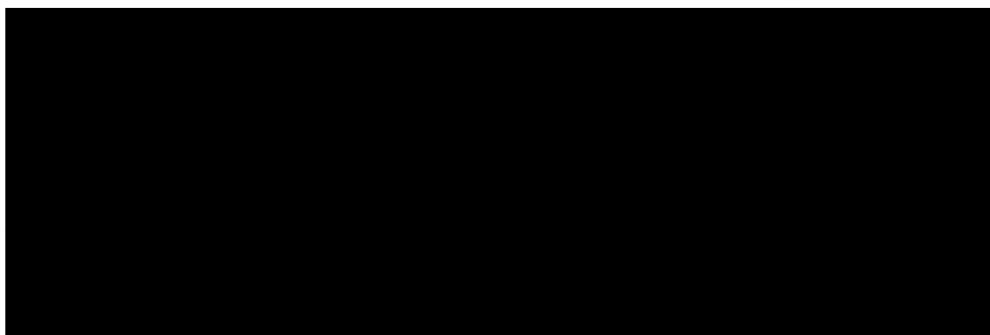
Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024) Building type B.

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.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอนไวรอนเม้นท์ 318 จำกัด
 Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
 Address Project : เลขที่ 8/8-8/9 ถนนศิริมั่งคณาจารย์ ตำบลสุเทพ
 อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
 Sampling Point : สระว่ายน้ำส่วนลึก
 GPS. Coordinate : 47 Q 496913 E 2078543 N
 Sampling By : TNP ENVIRONMENT CO., LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
 Sample No : W68021/3
 Sample Type : Swimming pool Water
 Sampling Date : 01 June 2025
 Sampling Time : 12.39 p.m.
 Received Date : 02 June 2025
 Analytical Date : 02 – 12 June 2025
 Report Date : 13 June 2025

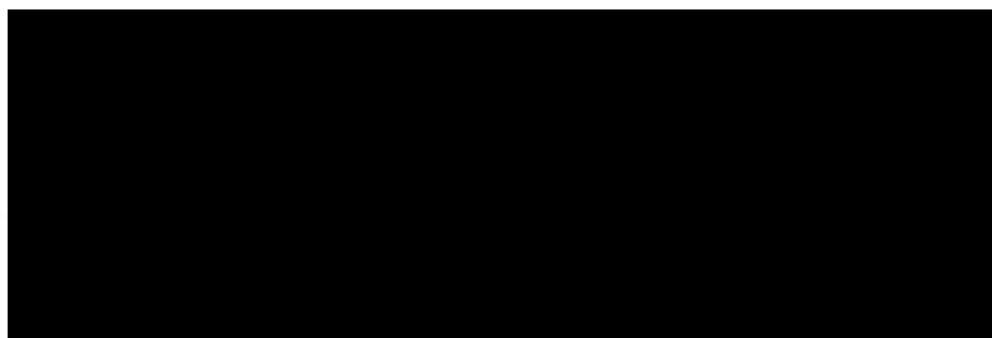
Parameter	Unit	Analytical Method ^{1/}	Result	Standard
Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 B)	< 1.8	< 10
Fecal Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (9221 E)	Not Detected	Not Detected
<i>Escherichia coli</i> *	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> * ^{2/}	/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> * ^{2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชียงใหม่ เอ็นไวรอนเม้นท์ 318 จำกัด
Project Name : โครงการ STAY WITH NIMMAN (ขยายกิจการ)
Address Project : เลขที่ 8/8-8/9 ถนนศิริมงคลจารย์ ตำบลสุเทพ
อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50200
Sampling Point : สระว่ายน้ำส่วนต้น
GPS. Coordinate : 47 Q 496911 E 2078538 N
Sampling By : TNP ENVIRONMENT CO., LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Customer Code : W68021
Sample No : W68021/4
Sample Type : Swimming pool Water
Sampling Date : 01 June 2025
Sampling Time : 12.38 p.m.
Received Date : 02 June 2025
Analytical Date : 02 – 12 June 2025
Report Date : 13 June 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
<i>Escherichia coli</i> [*]	/100 mL	Multiple-Tube Fermentation Technique (9221 F)	Not Detected	Not Detected
<i>Staphylococcus aureus</i> ^{* 2/}	/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> ^{* 2/}	/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 Bureau Veritas AQ Lab (Thailand) Company Limited registration number Wo-313.

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

